



Designation: D 1600 – 99

Standard Terminology for Abbreviated Terms Relating to Plastics¹

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This standard has been approved for use by agencies of the Department of Defense.

1. Scope *

1.1 The purpose of this terminology is to provide uniform contractions of terms relating to plastics. Abbreviated terminology has evolved through widespread common usage. This compilation has been prepared to avoid both the occurrence of more than one abbreviated term for a given plastics term and multiple meanings for abbreviated terms.

1.2 The scope of these abbreviated terms includes plastics terms pertaining to composition and relating to type or kind according to mode of preparation or principle distinguishing characteristics. Also included are abbreviated terms for terms relating to copolymers, blends and alloys of plastics, and additives such as plasticizers, fillers, etc.

NOTE 1—A code relating to the composition of rubbers is given in Practice D 1418.

1.3 No attempt is made here to systematize formally a shorthand terminology for polymers. Terminology, including nomenclature, codes, symbols, and formula designations for use in scientific literature in the field of natural and synthetic polymers, are being studied and standardized by the International Union of Pure and Applied Chemistry.²

1.4 These abbreviated terms are by no means all-inclusive of plastics terminology. They represent, in general, those terms that have come into established use. Since it is recognized that abbreviated terms serve no useful purpose unless they are generally accepted and used, no attempt has been made to establish a rigorous code for devising standard abbreviated terms. This would result in awkward departures from established usage of existing and accepted abbreviated terms and lead to cumbersome combinations in the future, which would not be likely to receive widespread acceptance. The abbreviated terms now in use have grown naturally out of the need for convenient, readily comprehended shorthand for long chemical names. This process can be expected to continue along the natural lines of least resistance and will serve as a basis for further standardization as the need arises. A general guide for

the preparation of abbreviated terms appears desirable, however, to facilitate more organized and uniform standardization in the future. An appendix is attached, which suggests a uniform way to prepare abbreviated terms.

1.5 Note that the uppercase letter F should be used to designate phosphate and that other elements may also be designated F.

1.6 An abbreviated term (FR) and code numbers are provided to identify classes of materials used as flame retardants added to plastics. The system is provided for use in situations where marking of plastics products is desired.

NOTE 2—Many of the abbreviated terms, codes, numbers, and symbols in ISO 1043 parts 1 through 3 and in ISO/DIS 1043-4 are the same as the corresponding item in ASTM D 1600. D 1600 includes a number of abbreviated terms that are not in ISO 1043.

2. Referenced Documents

2.1 ASTM Standards:

- D 883 Terminology Relating to Plastics³
- D 1418 Practice for Rubber and Rubber Latices—Nomenclature⁴
- D 1972 Practice for Generic Marking of Plastics Products⁵

2.2 ISO Standards:

- ISO 472:1988 Plastics—Vocabulary⁵
- ISO 1043-1:1996 Plastics—Symbols—Part 1: Basic Polymers and Their Special Characteristics⁵
- ISO 1043-2:1988 Plastics—Symbols—Part 2: Fillers and Reinforcing Materials⁵
- ISO 1043-3:1988 Plastics—Symbols—Part 3: Plasticizers⁵
- ISO/DIS 1043-4:1996 Plastics—Symbols and Abbreviated Terms—Part 4: Flame Retardants⁵
- ISO 11469:1992 Plastics—Generic Identification and Marking of Plastics Products⁵

3. Terminology

3.1 Definitions:

3.1.1 For definitions of general terms, see Terminology D 883.

¹ This terminology is under the jurisdiction of ASTM Committee D-20 on Plastics and is the direct responsibility of Subcommittee D20.92 on Terminology.

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² “Report on Nomenclature in the Field of Macromolecules,” *Journal of Polymer Science*, Vol VIII, 1952, pp. 257–277.

³ *Annual Book of ASTM Standards*, Vol 08.01.

⁴ *Annual Book of ASTM Standards*, Vol 09.01.

⁵ Available from American National Standards Institute, 11 W. 42nd St., 13th Floor, New York, NY 10036.

*A Summary of Changes section appears at the end of this standard.

3.2 Definitions of Terms Specific to This Standard:

3.2.1 *flame retardant, FR, n*—a substance that markedly retards the propagation of a flame. (See ISO 472.)

3.2.1.1 *Discussion*—Flame retardants may be incorporated in plastics as additives (external flame retardant) or as chemical groups in the base polymer by use of reactive intermediates in the polymerization process (internal flame retardant). The code numbers in this standard are restricted to external flame retardants.

4. Terms and Abbreviated Terms

4.1 *Plastics and Resins:*⁶

Term	Abbreviated Term
Acrylonitrile/butadiene plastics	AB
Acrylonitrile-butadiene-acrylate plastics	ABA
Acrylonitrile-butadiene-styrene plastics	ABS
Acrylonitrile-chlorinated polyethylene-styrene plastics	ACPES
Acrylonitrile-ethylene-styrene plastics	AES
Acrylonitrile-methyl acrylate-acrylonitrile-butadiene rubber	AMAB
Acrylonitrile-methyl methacrylate plastics	AMMA
Acrylonitrile-styrene-acrylate plastics	ASA
Acrylonitrile/ethylene-propylene-diene/styrene	AEPDMS
Aromatic polyester	ARP
Carboxymethyl cellulose	CMC
Casein	CS
Caseine-formaldehyde resin	CSF
Cellulose acetate	CA
Cellulose acetate-butyrate	CAB
Cellulose acetate propionate	CAP
Cellulose formaldehyde	CEF
Cellulose nitrate	CN
Cellulose plastics, general	CE
Cellulose propionate	CP
Cellulose triacetate	CTA
Chlorinated poly(vinyl chloride)	CPVC
Chlorinated polyethylene	CPE
Cresol-formaldehyde resin	CF
Epoxy, epoxide	EP
Ethyl cellulose	EC
Ethylene-chlorotrifluoroethylene copolymer	E-CTFE
Ethylene-ethyl acrylate plastics	EEA
Ethylene-methacrylic acid plastics	EMA
Ethylene-propylene polymer	EPM
Ethylene-propylene-diene plastics	EPD
Ethylene-tetrafluoroethylene copolymer	ETFE
Ethylene-vinyl acetate plastics	EVA
Ethylene-vinyl alcohol copolymer	EVOH
Fluorocarbon perfluoromethoxy	MPA
Furan formaldehyde resin	FF
High density polyethylene plastics	HDPE
High impact-resistant polystyrene	HIPS
Impact resistant polystyrene	IPS
Linear low density polyethylene plastics	LLDPE
Linear medium density polyethylene plastics	LMDPE
Liquid crystal polymer	LCP
Low density polyethylene plastics	LDPE
Medium density polyethylene plastics	MDPE
Melamine-formaldehyde resin	MF
Melamine/phenol-formaldehyde resin	MPF
Methacrylate-butadiene-styrene plastics	MBS

Term	Abbreviated Term
Methyl cellulose	MC
Methyl methacrylate-acrylonitrile-butadiene-styrene resin	MMABS
Nylon (see also polyamide)	PA
Perfluoro(alkoxy alkane)	PFA
Perfluoro(ethylene-propylene) copolymer	FEP
Perfluoromethoxy resin	MFA
Phenol-formaldehyde resin	PF
Phenol-furfural resin	PFF
Poly(acrylic acid)	PAA
Poly(allyl diglycol carbonate)	PADC
Poly(aryl ether ketone)	PAEK
Poly(butyl acrylate)	PBA
Poly(butylene terephthalate)	PBT
Poly(cyclohexylenedimethylene cyclohexandicarboxylate), glycoland acid comonomer	PCCE
Poly(cyclohexylenedimethylene terephthalate)	PCT
Poly(cyclohexylenedimethylene terephthalate), acid comonomer	PCTA
Poly(cyclohexylenedimethylene terephthalate), glycol	PCTG
Poly(diallyl phthalate)	PDAP
Poly(ester urethane)	PAUR
Poly(ether block amide)	PEBA
Poly(ether sulfone)	PES
Poly(ether urethane)	PEUR
Poly(ethylene oxide)	PEOX
Poly(ethylene terephthalate)	PET ⁶
Poly(ethylene terephthalate) glycol comonomer	PETG
Poly(methyl methacrylate)	PMMA
Poly(methyl methacrylimide)	PMMI
Poly(methyl- α -chloroacrylate)	PMCA
Poly(phenyl sulfone)	PPSU
Poly(phenylene ether) (or Poly(phenylene oxide), a deprecated term)	PPE
Poly(phenylene sulfide)	PPS
Poly(phenylene sulfone)	PPSU
Poly(propylene oxide)	PPOX
Poly(vinyl acetate)	PVAC
Poly(vinyl alcohol)	PVOH
Poly(vinyl butyral)	PVB
Poly(vinyl carbazole)	PVK
Poly(vinyl chloride)	PVC
Poly(vinyl chloride-acetate)	PVCA
Poly(vinyl fluoride)	PVF
Poly(vinyl formal)	PVFM
Poly(vinyl pyrrolidone)	PVP
Poly(vinylidene chloride)	PVDC
Poly(vinylidene fluoride)	PVDF
Poly(ϵ -caprolactone)	PCL
Poly-4-methylpentene-1	PMP
Poly- α -methylstyrene	PMS
Poly-p-oxybenzoate	POB
Polyacrylonitrile	PAN
Polyamide (nylon)	PA
Polyamide 11	PA11
Polyamide 12	PA12
Polyamide 1212	PA1212
Polyamide 46	PA46
Polyamide 6	PA6
Polyamide 610	PA610
Polyamide 612	PA612
Polyamide 66	PA66
Polyamide 69	PA69
Polyamide-imide	PAI
Polyarylate	PAR
Polyaryl amide	PARA
Polyarylether	PAE
Polyarylsulfone	PASU
Polybutadiene-acrylonitrile	PBAN
Polybutadiene-styrene	PBS
Polybutene-1	PB
Polycarbonate	PC
Polychlorotrifluoroethylene	PCTFE
Polyester alkyd (or polyacrylate)	PAK

⁶ To prevent any confusion with or misuse of the registered trademark, PET[®] Milk, the guidelines of 8.1 shall be followed.

Term	Abbreviated Term	Term	Abbreviated Term
Polyetheretherketone	PEEK	Acrylonitrile-butadiene-acrylate plastics+polycarbonate	ABA+PC
Polyetheretherketoneketone	PEEKK	Acrylonitrile-butadiene-styrene plastics+poly(vinyl chloride)	ABS+PVC
Polyetherketonetherketoneketone	PEKEKK	Acrylonitrile-butadiene-styrene plastics+polyphenylene sulfone	ABS+PPSU
Polyetherketoneketone	PEKK	Acrylonitrile-butadiene-styrene plastics+polytetrafluoroethylene	ABS+PTFE
Polyetherimide	PEI	Acrylonitrile-butadiene-styrene plastics+styrene maleic anhydride	ABS+SMA
Polyetherketone	PEK	Acrylonitrile-butadiene-styrene plastics+thermoplastic polyurethane	ABS+TPU
Polyethylene	PE	Acrylonitrile-butadiene-styrene plastics+polyamide	ABS+PA
Poly(ethylene naphthalate)	PEN	Acrylonitrile-butadiene-styrene plastics+polycarbonate	ABS+PC
Polyhydroxy butyrate	PHB	Acrylonitrile-styrene-acrylate plastics+poly(methyl methacrylate)	ASA+PMMA
Polyimide	PI	Acrylonitrile-styrene-acrylate plastics+polycarbonate	ASA+PC
Polyimidesulfone	PISU		
Polyisobutylene	PIB		
Polyisocyanurate	PIR		
Polyketone	PK	Fully crosslinked elastomeric alloy	FCEA
Polymethacrylimide	PMI		
Polyoxymethylene, polyacetal	POM	Poly(butylene terephthalate)+poly(ethylene terephthalate)	PBT+PET ⁶
Polyphthalamide	PPA		Abbreviated
Polypropylene	PP	Poly(butylene terephthalate)+rubber	PBT+RBR
Polystyrene	PS	Poly(ethylene naphthalate)	PEN
Polysulfone	PSU	Poly(ethylene terephthalate)+poly(methyl methacrylate)	PET ⁶ +PMMA
Polytetrafluoroethylene	PTFE	Poly(ethylene terephthalate)+poly(phenylene sulfone)	PET ⁶ +PPSU
Polyurethane	PUR	Poly(ethylene terephthalate)+rubber	PET ⁶ +RBR
		Poly(phenylene ether)+impact resistant polystyrene	PPE+IPS
Saturated polyester plastic	SP	Poly(phenylene sulfide)+polytetrafluoroethylene	PPS+PTFE
Silicone plastics	SI	Poly(vinyl chloride)+chlorinated polyethylene	PVC+CPE
Styrene- α -methylstyrene plastic	SMS	Poly(vinyl chloride)+nitrile-butadiene rubber	PVC+NBR
Styrene-acrylonitrile plastic	SAN	Poly(vinyl chloride)+poly(methyl methacrylate)	PVC+PMMA
Styrene-butadiene plastic	SB	Poly(vinyl chloride) plastics+polyurethane	PVC+PUR
Styrene-butadiene-styrene block copolymer	SBS	Polyamide (amorphous) blend	PA +
Styrene-ethylene/butylene-styrene block copolymer	SEBS	Polyamide plastics+ethylene-methacrylic acid (ionomer)	PA+EMA
Styrene-ethylene/propylene-styrene block copolymer	SEPS	Polyamide+poly(phenylene ether)	PA+PPE
Styrene-isoprene-styrene block copolymer	SIS	Polyamide+polyethylene	PA+PE
Styrene-maleic anhydride plastics	S/MA	Polyamide+rubber	PA+RBR
Styrene-rubber plastics	SRP	Polyamide+styrene-acrylonitrile plastics	PA+SAN
		Polycarbonate+poly(butylene terephthalate)	PC+PBT
Thermoplastic elastomer	TPE	Polycarbonate+poly(ethylene terephthalate)	PC+PET ⁶
Thermoplastic elastomer, ether-ester	TEEE	Polycarbonate+polyethylene	PC+PE
Thermoplastic elastomer, fully crosslinked elastomeric alloy	FCEA	Polycarbonate+styrene-maleic anhydride	PC+SMA
Thermoplastic elastomer, highly crosslinked thermoplastic vulcanizate	HCTPV	Polycarbonate+thermoplastic polyurethane	PC+TPU
		Polyoxymethylene+polytetrafluoroethylene	POM+PTFE
Thermoplastic elastomer, olefinic	TEO	Polyoxymethylene+rubber	POM+RBR
Thermoplastic elastomer, polyether block amide	PEBA	Polyurethane+polyisocyanate	PUR+PIR
Thermoplastic elastomer, styrenic	TES	Styrene-maleic anhydride plastics+impact resistant polystyrene	SMA+IPS
Thermoplastic elastomer styrenic, saturated	TESS	Thermoplastic elastomer-chlorinated ethylene alloy	TECEA
Thermoplastic elastomer styrenic, unsaturated	TESU		
Thermoplastic polyester	TPES		
Thermoplastic polyester:			
Copolyester [poly(aryl terephthalate)]	ARP		
Polyarylate [poly(aryl terephthalate)]—liquid crystal polymer	PAT		
Thermoplastic polyurethane	TPU		
Thermoplastic polyurethane, reinforced	RTPU		
Thermoset polyurethane	TSPU		
Ultra-high molecular weight polyethylene	UHMWPE		
Unsaturated polyester	UP		
Urea-formaldehyde resin	UF		
Vinyl chloride-ethylene resin	VCE		
Vinyl chloride-ethylene-methyl acrylate resin	VCEMA		
Vinyl chloride-ethylene-vinyl acetate resin	VCEVAC		
Vinyl chloride-methyl acrylate resin	VCMA		
Vinyl chloride-methyl methacrylate resin	VCMMA		
Vinyl chloride-octyl acrylate resin	VCOA		
Vinyl chloride-vinyl acetate resin	VCVAC		
Vinyl chloride-vinylidene chloride resin	VCVDC		
Vinylidene fluoride	VDF		

4.2 Blends and Alloys of Plastics:

Term	Abbreviated Term
Acrylonitrile-butadiene-acrylate plastics + poly(methyl methacrylate)	ABA+PMMA
Acrylonitrile-butadiene-acrylate plastics+poly(vinyl chloride)	ABA+PVC

4.3 Plastic and Resin Additives:

Term	Abbreviated Term
Alkylsulfonic acid ester	ASE
Benzyl butyl phthalate	BBP
Benzyl octyl adipate (benzyl 2-ethylhexyl adipate)	BOA
Benzyl octyl phthalate (benzyl 2-ethylhexyl phthalate)	BOP
Di-n-octyl phthalate	DNOP
Dibutylphthalate	DBP
Dibutyl sebacate	DBS
Dicapryl phthalate	DCP
Dicylohexyl phthalate	DCHP
Didecyl phthalate	DDP
Diethyl phthalate	DEP
Diheptyl phthalate	DHP
Dihexyl phthalate	DHXP
Diisobutyl phthalate	DIBP
Diisodecyl adipate	DIDA
Diisodecyl phthalate	DIDP
Diisooheptyl phthalate	DIHP
Diisohexyl phthalate	DIHXP
Diisononyl adipate	DINA
Diisononyl phthalate	DINP
Diisooctyl adipate	DIOA
Diisooctyl phthalate	DIOP
Diisopentyl phthalate	DIPP
Diisotridecyl phthalate	DITDP

5. Full List by Term and Abbreviated Term

Term	Abbreviated Term	Term	Abbreviated Term
Dimethyl phthalate	DMP	Acrylonitrile-butadiene-acrylate plastics+poly(methyl methacrylate)	ABA+PMMA
Dinonyl phthalate	DNP	Acrylonitrile-butadiene-acrylate plastics+poly(vinyl chloride)	ABA+PVC
Dioctyl adipate	DOA	Acrylonitrile-butadiene-acrylate plastics+polycarbonate	ABA+PC
Dioctyl azelate	DOZ	Acrylonitrile-butadiene-acrylate plastics	ABA
Dioctyl isophthalate (di-2-ethylhexyl isophthalate)	DOIP	Acrylonitrile-butadiene-styrene plastics+poly(vinyl chloride)	ABS+PVC
Dioctyl phthalate	DOP	Acrylonitrile-butadiene-styrene plastics+polyphenylene sulfone	ABS+PPSU
Dioctyl sebacate	DOS	Acrylonitrile-butadiene-styrene plastics+polytetrafluoro-ethylene	ABS+PTFE
Dioctyl terephthalate (di-2-ethylhexyl terephthalate)	DOTP	Acrylonitrile-butadiene-styrene plastics+styrene maleic anhydride	ABS+SMA
Diphenyl octyl phosphate	DPOF	Acrylonitrile-butadiene-styrene plastics+thermoplastic polyurethane	ABS+TPU
Diphenyl cresyl phosphate	DPCF	Acrylonitrile-butadiene plastics	AB
Diphenyl 2-ethylhexyl phosphate	DPOF	Acrylonitrile-butadiene-styrene plastics+polyamide	ABS+PA
Diundecyl phthalate	DUP	Acrylonitrile-butadiene-styrene plastics+polycarbonate	ABS+PC
Epoxidized linseed oil	ELO	Acrylonitrile-chlorinated polyethylene-styrene plastics	ACPES
Epoxidized soya bean oil	ESO	Acrylonitrile-ethylene-styrene plastics	AES
Heptyl nonyl undecyl adipate	HNUA	Acrylonitrile-methyl acrylate-acrylonitrile-butadiene rubber	AMAB
Heptyl nonyl undecyl phthalate	HNUA	Acrylonitrile-methyl methacrylate plastics	AMMA
Hexyl octyl decyl adipate	HXODA	Acrylonitrile-styrene-acrylate plastics+poly(methyl methacrylate)	ASA+PMMA
Hexyl octyl decyl phthalate	HXODP	Acrylonitrile-styrene-acrylate plastics+poly(vinyl chloride)	ASA+PVC
n-Octyl decyl trimellitate	ODTM	Acrylonitrile-styrene-acrylate plastics	ASA
Nonyl undecyl adipate	NUA	Acrylonitrile-styrene-acrylate plastics+polycarbonate	ASA+PC
Nonyl undecyl phthalate	NUP	Acrylonitrile/ethylene-propylene-diene/styrene plastics	AEPDMS
Octyl decyl adipate	ODA	Alkylsulfonic acid ester	ASE
Octyl decyl phthalate	ODP	Allyl diglycol carbonate	ADC
Tetraoctyl pyromellitate (tetra-2-ethylhexyl pyromellitate)	TOPM	Aromatic polyester	ARP
Trichloroethyl phosphate	TCEF	Benzyl butyl phthalate	BBP
Tricresyl phosphate (or tritolyl phosphate)	TCF	Benzyl octyl adipate (benzyl 2-ethylhexyl adipate)	BOA
Triheptyl trimellitate	THTM	Benzyl octyl phthalate (benzyl 2-ethylhexyl phthalate)	BOP
Triisooctyl trimellitate	TIOTM	Carboxymethyl cellulose	CMC
Trioctyl phosphate	TOF	Casein	CS
Trioctyl trimellitate (tri-2-ethylhexyl trimellitate)	TOTM	Caseine-formaldehyde resin	CSF
Triphenyl phosphate	TPP	Cellulose acetate	CA
Trixylyl phosphate	TXF	Cellulose acetate-butyrate	CAB
		Cellulose acetate-propionate	CAP
		Cellulose formaldehyde	CEF
		Cellulose nitrate	CN
		Cellulose plastics, general	CE
		Cellulose propionate	CP
		Cellulose triacetate	CTA
		Chlorinated poly(vinyl chloride)	CPVC
		Chlorinated polyethylene	CPE
		Chlorotrifluoroethylene	CTFE
		Cresol-formaldehyde resin	CF
		Di-n-octyl phthalate	DNOP
		Diallyl chlorendate (diallyl ester of 1,4,5,6,7,7-hexachloro-bicyclo-(2,2,1)-5-heptene-2,3-dicarboxylic acid)	DAC
		Diallyl fumarate	DAF
		Diallyl isophthalate	DAIP
		Diallyl maleate	DAM
		Diallyl phthalate (diallyl orthophthalate)	DAP
		Diallyl fumarate	DAF
		Diallyl isophthalate	DAIP
		Diallyl maleate	DAM
		Diallyl phthalate (diallyl orthophthalate)	DAP
		Dibutyl phthalate	DBP
		Dibutyl sebacate	DBS
		Dicapryl phthalate	DCP
		Dicyclohexyl phthalate	DCHP
		Didecyl phthalate	DDP
		Diethyl phthalate	DEP
		Diheptyl phthalate	DHP
		Dihexyl phthalate	DHXP
		Diisobutyl phthalate	DIBP
		Diisodecyl adipate	DIDA
		Diisodecyl phthalate	DIDP
		Diisohexyl phthalate	DIHP
		Diisohexyl phthalate	DIHXP
		Diisononyl adipate	DINA
		Diisononyl phthalate	DINP
		Diisooctyl adipate	DIOA

4.4 Monomers:

Term	Abbreviated Term
Allyl diglycol carbonate	ADC
Chlorotrifluoroethylene	CTFE
Diallyl chlorendate (diallyl ester of 1,4,5,6,7,7-hexachlorobicyclo-(2,2,1)-5-heptene-2,3-dicarboxylic acid)	DAC
Diallyl fumarate	DAF
Diallyl isophthalate	DAIP
Diallyl maleate	DAM
Diallyl phthalate (diallyl orthophthalate)	DAP
Methyl methacrylate	MMA
Tetrafluoroethylene	TFE
Triallyl cyanurate	TAC

4.5 Miscellaneous Plastics Terms:

Term	Abbreviated Term
General purpose	GP
Single stage	SS

NOTE 3—When listing one or more components, the order preferably should be in decreasing amount by mass. There are situations, however, where long standing usage indicates that this recommendation should not be followed. An example is ETFE.

Term	Abbreviated Term	Term	Abbreviated Term
Diisooctyl phthalate	DIOP	Poly(butylene terephthalate)+poly(phenylene ether)	PBT+PPE
Diisopentyl phthalate	DIPP	Poly(butylene terephthalate)+rubber	PBT+RBR
Diisotridecyl phthalate	DITDP	Poly(cyclohexylenedimethylene cyclohexandicarboxylate), glycol and acid comonomer	PCCE
Dimethyl phthalate	DMP	Poly(cyclohexylenedimethylene terephthalate)	PCT
Dinonyl phthalate	DNP	Poly(cyclohexylenedimethylene terephthalate), acid comonomer	PCTA
Dioctyl adipate	DOA	Poly(cyclohexylenedimethylene terephthalate), glycol	PCTG
Dioctyl azelate	DOZ	Poly(diallyl phthalate)	PDAP
Dioctyl isophthalate (di-2-ethylhexyl isophthalate)	DOIP	Poly(ester urethane)	PAUR
Dioctyl phthalate	DOP	Poly(ether block amide)	PEBA
Dioctyl sebacate	DOS	Poly(ether sulfone)	PES
Dioctyl terephthalate (di-2-ethylhexyl terephthalate)	DOTP	Poly(ether urethane)	PEUR
Diphenyl 2-ethylhexyl phosphate	DPOF	Poly(ethylene naphthalate)	PEN
Diphenyl cresyl phosphate	DPCF	Poly(ethylene oxide)	PEOX
Diphenyl octyl phosphate	DPOF	Poly(ethylene terephthalate)	PET ⁶
Diundecyl phthalate	DUP	Poly(ethylene terephthalate)+poly(methyl methacrylate)	PET ⁶ +PMMA
		Poly(ethylene terephthalate)+poly(phenylene sulfone)	PET ⁶ +PPSU
			PET ⁶ +RBR
Epoxidized linseed oil	ELO	Poly(ethylene terephthalate), glycol comonomer	PETG
Epoxidized soya bean oil	ESO	Poly(methyl methacrylate)	PMMA
Epoxy, epoxide	EP	Poly(methyl methacrylimide)	PMMI
Ethyl cellulose	EC	Poly(methyl- α -chloroacrylate)	PMCA
Ethylene-chlorotrifluoroethylene copolymer	E-CTFE	Poly(phenyl sulfone)	PPSU
Ethylene-ethyl acrylate plastics	EEA	Poly(phenylene ether) (or poly(phenylene oxide), a deprecated term)	PPE
Ethylene-methacrylic acid plastics	EMA	Poly(phenylene ether)+impact resistant polystyrene	PPE+IPS
Ethylene-propylene polymer	EPM	Poly(phenylene sulfide)	PPS
Ethylene-propylene-diene plastics	EPD	Poly(phenylene sulfide)+polytetrafluoroethylene	PPS+PTFE
Ethylene-tetrafluoroethylene copolymer	ETFE	Poly(phenylene sulfone)	PPSU
Ethylene-vinyl acetate plastics	EVA	Poly(propylene oxide)	PPOX
Ethylene-vinyl alcohol copolymer	EOH	Poly(vinyl acetate)	PVAC
		Poly(vinyl alcohol)	PVOH
Fluorocarbon perfluoromethoxy	MPA	Poly(vinyl butyral)	PVB
Fully crosslinked elastomeric alloy	FCEA	Poly(vinyl carbazole)	PVK
Furan-formaldehyde resin	FF	Poly(vinyl chloride)	PVC
		Poly(vinyl chloride)+chlorinated polyethylene	PVC+CPE
General purpose	GP	Poly(vinyl chloride)+nitrile-butadiene rubber	PVC+NBR
		Poly(vinyl chloride)+poly(methyl methacrylate)	PVC+PMMA
Heptyl nonyl undecyl adipate	HNUA	Poly(vinyl chloride) plastics+polyurethane	PVC+PUR
Heptyl nonyl undecyl phthalate	HNUP	Poly(vinyl chloride-acetate)	PVCA
Hexyl octyl decyl adipate	HXODA	Poly(vinyl fluoride)	PVF
Hexyl octyl decyl phthalate	HXODP	Poly(vinyl formal)	PVFM
High density polyethylene plastics	HDPE	Poly(vinyl pyrrolidone)	PVP
High impact-resistant polystyrene	HIPS	Poly(vinylidene chloride)	PVDF
		Poly(vinylidene fluoride)	PVDF
Impact resistant polystyrene	IPS	Poly(e-caprolactone)	PCL
		Poly-4-methyl pentene-1	PMP
		Poly- α -methylstyrene	PMS
Linear low density polyethylene plastics	LLDPE	Poly-p-oxybenzoate	POB
Linear medium density polyethylene plastics	LMDPE	Polyacrylonitrile	PAN
Liquid crystal polymer	LCP	Polyamide (amorphous) blend	PA +
Low density polyethylene plastics	LDPE	Polyamide (nylon)	PA
		Polyamide 11	PA11
Medium density polyethylene plastics	MDPE	Polyamide 12	PA12
Melamine-formaldehyde resin	MF	Polyamide 1212	PA1212
Melamine/phenol-formaldehyde resin	MPF	Polyamide 46	PA46
Methacrylate-butadiene-styrene plastics	MBS	Polyamide 6	PA6
Methyl cellulose	MC	Polyamide 610	PA610
Methyl methacrylate	MMA	Polyamide 612	PA612
Methyl methacrylate-acrylonitrile-butadiene-styrene resin	MMABS	Polyamide 66	PA66
		Polyamide 69	PA69
n-Octyl decyl trimellitate	ODTM	Polyamide plastics+ethylene-methacrylic acid (ionomer)	PA+EMA
Nonyl undecyl adipate	NUA	Polyamide+poly(phenylene ether)	PA+PPE
Nonyl undecyl phthalate	NUP	Polyamide+polyethylene	PA+PE
Nylon (See also <i>polyamide</i>)	PA	Polyamide+rubber	PA+RBR
		Polyamide+styrene-acrylonitrile plastics	PA+SAN
Octyl decyl adipate	ODA	Polyamide-imide	PAI
Octyl decyl phthalate	ODP	Polyarylate	PAR
		Polyaryl amide	PARA
Perfluoro(alkoxy alkane)	PFA	Polyarylether	PAE
Perfluoro(ethylene-propylene) copolymer	FEP	Polyarylsulfone	PAASU
Perfluoromethoxy resin	MFA	Polybutadiene-acrylonitrile	PBAN
Phenol-formaldehyde resin	PF	Polybutadiene-styrene	PBS
Phenol-furfural resin	PFF	Polybutene-1	PB
Poly(acrylic acid)	PAA	Polycarbonate	PC
Poly(allyl diglycol carbonate)	PADC		
Poly(aryl ether ketone)	PAEK		
Poly(butyl acrylate)	PBA		
Poly(butylene terephthalate)	PBT		
Poly(butylene terephthalate)+poly(ethylene terephthalate)	PBT+PET ⁶		

Term	Abbreviated Term	Term	Abbreviated Term
Polycarbonate+poly(butylene terephthalate)	PC+PBT	Triocetyl phosphate	TOF
Polycarbonate+poly(ethylene terephthalate)	PC+PC+PET ⁶	Triocetyl trimellitate (tri-2-ethylhexyl trimellitate)	TOTM
Polycarbonate+polyethylene	PC+PE	Triphenyl phosphate	TPP
Polycarbonate+styrene-maleic anhydride	PC+SMA	Trixylyl phosphate	TXF
Polycarbonate+thermoplastic polyurethane	PC+TPU		
Polychlorotrifluoroethylene	PCTFE	Ultra-high molecular weight polyethylene	UHMWPE
Polyester alkyd (or polyacrylate)	PAK	Unsaturated polyester	UP
Polyester, thermoplastic; polyarylate [poly(aryl terephthalate)]—liquid crystal polymer	PAT	Urea-formaldehyde resin	UF
Polyetheretherketone	PEEK	Vinyl chloride-ethylene resin	VCE
Polyetheretherketoneketone	PEEKK	Vinyl chloride-ethylene-methyl acrylate resin	VCEMA
Polyetherketoneetherketoneketone	PEKEKK	Vinyl chloride-ethylene-vinyl acetate resin	VCEVAC
Polyetherketoneketone	PEKK	Vinyl chloride-methyl acrylate resin	VCMMA
Polyetherizimide	PEI	Vinyl chloride-methyl methacrylate resin	VCOA
Polyetherketone	PEK	Vinyl chloride-octyl acrylate resin	VCVAC
Polyethylene	PE	Vinyl chloride-vinyl acetate resin	VCDVC
Polyhydroxy butyrate	PHB	Vinyl chloride-vinylidene chloride resin	VDF
Polyhydroxy butyrate-polyhydroxy valerate	PHBV	Vinylidene fluoride	
Polyimide	PI		
Polyimidesulfone	PISU		
Polyisobutylene	PIB		
Polyisocyanurate	PIR		
Polyketone	PK		
Polymethacrylimide	PMI		
Polyoxymethylene+polytetrafluoroethylene	POM+PTFE		
Polyoxymethylene+rubber	POM+RBR		
Polyoxymethylene, polyacetal	POM		
Polyphthalamide	PPA		
Polypropylene	PP		
Polystyrene	PS		
Polysulfone	PSU		
Polytetrafluoroethylene	PTFE		
Polyurethane	PUR		
Polyurethane+polyisocyanate	PUR+PIR		
Saturated polyester plastic	SP		
See TCF	TTP		
Silicone plastics	SI		
Single stage	SS		
Styrene- α -methylstyrene plastic	SMS		
Styrene-acrylonitrile plastic	SAN		
Styrene-butadiene plastics	SB		
Styrene-butadiene-styrene block copolymer	SBS		
Styrene-ethylene/butylene-styrene block copolymer	SEBS		
Styrene-ethylene/propylene-styrene block copolymer	SEPS		
Styrene-isoprene-styrene block copolymer	SIS		
Styrene-maleic anhydride plastics+impact resistant polystyrene	SMA+IPS		
Styrene-maleic anhydride plastics	S/MA		
Styrene-rubber plastics	SRP		
Tetrafluoroethylene	TFE		
Tetraoctyl pyromellitate (tetra-2-ethylhexyl pyromellitate)	TOPM		
Thermoplastic elastomer	TPE		
Thermoplastic elastomer, ether-ester	TEEE		
Thermoplastic elastomer, fully crosslinked elastomer alloy	FCEA		
Thermoplastic elastomer, highly crosslinked thermoplastic vulcanizate	HCTPV		
Thermoplastic elastomer, olefinic	TEO		
Thermoplastic elastomer, polyether block amide	PEBA		
Thermoplastic elastomer, styrenic	TES		
Thermoplastic elastomer styrenic, saturated	TESS		
Thermoplastic elastomer styrenic, unsaturated	TESU		
Thermoplastic elastomer-chlorinated ethylene alloy	TECEA		
Thermoplastic polyester	TPES		
Thermoplastic polyester:			
Copolyester [poly(aryl terephthalate)]	ARP		
Polyarylate [poly(aryl terephthalate)]—liquid crystal polymer	PAT		
Thermoplastic polyurethane	TPU		
Thermoplastic polyurethane, reinforced	RTPU		
Thermoset polyurethane	TSPU		
Triallyl cyanurate	TAC		
Trichlorethyl phosphate	TCEF		
Tricresyl phosphate (or trioctyl phosphate)	TCF		
Triheptyl trimellitate	THTM		
Triisooctyl trimellitate	TIOTM		
		BBP	Benzyl butyl phthalate
		BOA	Benzyl octyl adipate (benzyl 2-ethylhexyl adipate)
		BOP	Benzyl octyl phthalate (benzyl 2-ethylhexyl phthalate)
		CA	Cellulose acetate
		CAB	Cellulose acetate-butyrate
		CAP	Cellulose acetate-propionate
		CE	Cellulose plastics, general
		CEF	Cellulose formaldehyde
		CF	Cresol-formaldehyde resin
		CMC	Carboxymethyl cellulose
		CN	Cellulose nitrate
		CP	Cellulose propionate
		CPE	Chlorinated polyethylene
		CPVC	Chlorinated poly(vinyl chloride)
		CS	Casein
		CSF	Caseine-formaldehyde resin
		CTA	Cellulose triacetate
		CTFE	Chlorotrifluoroethylene
		DAC	Diallyl chlorendate (diallyl ester of 1,4,5,6,7,7-hexachlorobicyclo-(2,2,1)-5-heptene-2,3-dicarboxylic acid)
		DAF	Diallyl fumarate
		DAIP	Diallyl isophthalate
		DAM	Diallyl maleate
		DAP	Diallyl phthalate (diallyl orthophthalate)
		DBP	Dibutyl phthalate

6. Full List by Abbreviated Term

Abbreviated Term	Term
AB	Acrylonitrile/butadiene plastics
ABA	Acrylonitrile-butadiene-acrylate plastics
ABA+PC	Acrylonitrile-butadiene-acrylate+polycarbonate
ABA+PMMA	Acrylonitrile-butadiene-acrylate+poly(methyl methacrylate)
ABA+PVC	Acrylonitrile-butadiene-acrylate+poly(vinyl chloride)
ABS	Acrylonitrile-butadiene-styrene plastics
ABS+PA	Acrylonitrile-butadiene-styrene plastics+polyamide
ABS+PC	Acrylonitrile-butadiene-styrene plastics+polycarbonate
ABS+PPSU	Acrylonitrile-butadiene-styrene+polyphenylene sulfone
ABS+PTFE	Acrylonitrile-butadiene-styrene+polytetrafluoroethylene
ABS+PVC	Acrylonitrile-butadiene-styrene+poly(vinyl chloride)
ABS+SMA	Acrylonitrile-butadiene-styrene+styrene maleic anhydride
ABS+TPU	Acrylonitrile-butadiene-styrene+thermoplastic polyurethane
ACPES	Acrylonitrile-chlorinated polyethylene-styrene plastics
ADC	Allyl diglycol carbonate
AEPDMS	Acrylonitrile/ethylene-propylene-diene/styrene plastics
AES	Acrylonitrile-ethylene-styrene plastics
AMMA	Acrylonitrile-methyl methacrylate plastics
ARP	Aromatic polyester
ARP	Thermoplastic polyester, (polyaryl terephthalate)
ASA	Acrylonitrile-styrene-acrylate plastics
ASA+PC	Acrylonitrile-styrene-acrylate plastics+polycarbonate
ASA+PMMA	Acrylonitrile-styrene-acrylate+poly(methyl methacrylate)
ASA+PVC	Acrylonitrile-styrene-acrylate+poly(vinyl chloride)
ASE	Alkylsulfonic acid ester
BBP	Benzyl butyl phthalate
BOA	Benzyl octyl adipate (benzyl 2-ethylhexyl adipate)
BOP	Benzyl octyl phthalate (benzyl 2-ethylhexyl phthalate)
CA	Cellulose acetate
CAB	Cellulose acetate-butyrate
CAP	Cellulose acetate-propionate
CE	Cellulose plastics, general
CEF	Cellulose formaldehyde
CF	Cresol-formaldehyde resin
CMC	Carboxymethyl cellulose
CN	Cellulose nitrate
CP	Cellulose propionate
CPE	Chlorinated polyethylene
CPVC	Chlorinated poly(vinyl chloride)
CS	Casein
CSF	Caseine-formaldehyde resin
CTA	Cellulose triacetate
CTFE	Chlorotrifluoroethylene
DAC	Diallyl chlorendate (diallyl ester of 1,4,5,6,7,7-hexachlorobicyclo-(2,2,1)-5-heptene-2,3-dicarboxylic acid)
DAF	Diallyl fumarate
DAIP	Diallyl isophthalate
DAM	Diallyl maleate
DAP	Diallyl phthalate (diallyl orthophthalate)
DBP	Dibutyl phthalate