



Designation: D 1600 – 07

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:³

- D 883 Terminology Relating to Plastics
- D 1418 Practice for Rubber and Rubber Latices—Nomenclature
- D 1972 Practice for Generic Marking of Plastic Products

2.2 ISO Standards:

- ISO 472:1988 Plastics—Vocabulary⁴
- ISO 1043-1:1996 Plastics—Symbols—Part 1: Basic Polymers and Their Special Characteristics⁴
- ISO 1043-2:1988 Plastics—Symbols—Part 2: Fillers and Reinforcing Materials⁴
- ISO 1043-3:1988 Plastics—Symbols—Part 3: Plasticizers⁴
- ISO/DIS 1043-4:1996 Plastics—Symbols and Abbreviated Terms—Part 4: Flame Retardants⁴
- ISO 11469:1992 Plastics—Generic Identification and Marking of Plastics Products⁴

¹ This terminology is under the jurisdiction of ASTM Committee D20 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 For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

⁴ Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036, <http://www.ansi.org>.

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

3. Terminology

3.1 Definitions:

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

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:⁵

Term	Abbreviated Term	Term	Abbreviated Term
Acrylonitrile/butadiene plastics	AB	Ethylene-methacrylic acid plastics	EMA
Acrylonitrile-butadiene-acrylate plastics	ABA	Ethylene-propylene polymer	EPM
Acrylonitrile-butadiene-styrene plastics	ABS	Ethylene-propylene-diene plastics	EPD
Acrylonitrile-chlorinated polyethylene-styrene plastics	ACPES	Ethylene-tetrafluoroethylene copolymer	ETFE
Acrylonitrile-ethylene-styrene plastics	AES	Ethylene-vinyl acetate plastics	EVA
Acrylonitrile-methyl acrylate-acrylonitrile-butadiene rubber	AMAB	Ethylene-vinyl alcohol copolymer	EVOH
Acrylonitrile-methyl methacrylate plastics	AMMA	Fluorocarbon perfluoromethoxy	MPA
Acrylonitrile-styrene-acrylate plastics	ASA	Furan formaldehyde resin	FF
Acrylonitrile/ethylene-propylene-diene/styrene	AEPDMS	High density polyethylene plastics	HDPE
Aromatic polyester	ARP	High impact-resistant polystyrene	HIPS
Carboxymethyl cellulose	CMC	Impact resistant polystyrene	IPS
Casein	CS	Linear low density polyethylene plastics	LLDPE
Caseine-formaldehyde resin	CSF	Linear medium density polyethylene plastics	LMDPE
Cellulose acetate	CA	Liquid crystal polymer	LCP
Cellulose acetate-butyrate	CAB	Low density polyethylene plastics	LDPE
Cellulose acetate propionate	CAP	Medium density polyethylene plastics	MDPE
Cellulose formaldehyde	CEF	Melamine-formaldehyde resin	MF
Cellulose nitrate	CN	Melamine/phenol-formaldehyde resin	MPF
Cellulose plastics, general	CE	Methacrylate-butadiene-styrene plastics	MBS
Cellulose propionate	CP	Methyl cellulose	MC
Cellulose triacetate	CTA	Methyl methacrylate-acrylonitrile-butadiene-styrene resin	MMABS
Chlorinated poly(vinyl chloride)	CPVC	Nylon (see also polyamide)	PA
Chlorinated polyethylene	CPE	Perfluoro(alkoxy alkane)	PFA
Cresol-formaldehyde resin	CF	Perfluoro(ethylene-propylene) copolymer	FEP
Epoxy, epoxide	EP	Perfluoromethoxy resin	MFA
Ethyl cellulose	EC	Phenol-formaldehyde resin	PF
Ethylene-chlorotrifluoroethylene copolymer	E-CTFE	Phenol-furfural resin	FFF
Ethylene-ethyl acrylate plastics	EEA	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)	PESU
		Poly(ether urethane)	PEUR
		Poly(ethylene oxide)	PEOX
		Poly(ethylene terephthalate)	PET ⁵
		Poly(ethylene terephthalate) glycol comonomer	PETG
		Poly(methyl methacrylate)	PMMA
		Poly(methyl methacrylimide)	PMMI
		Poly(methyl- α -chloroacrylate)	PMCA
		Poly(phenyl sulfone)	PPSU

⁵ 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
Poly(phenylene ether) (or Poly(phenylene oxide), a deprecated term)	PPE	Thermoplastic elastomer	TPE
Poly(phenylene sulfide)	PPS	Thermoplastic elastomer, ether-ester	TEEE
Poly(phenylene sulfone)	PPSU	Thermoplastic elastomer, fully crosslinked elastomer alloy	FCEA
Poly(propylene oxide)	PPOX	Thermoplastic elastomer, highly crosslinked thermoplastic vulcanizate	HCTPV
Poly(vinyl acetate)	PVAC	Thermoplastic elastomer, olefinic	TEO
Poly(vinyl alcohol)	PVOH	Thermoplastic elastomer, polyether block amide	PEBA
Poly(vinyl butyral)	PVB	Thermoplastic elastomer, styrenic	TES
Poly(vinyl carbazole)	PVK	Thermoplastic elastomer styrenic, saturated	TESS
Poly(vinyl chloride)	PVC	Thermoplastic elastomer styrenic, unsaturated	TESU
Poly(vinyl chloride-acetate)	PVCA	Thermoplastic polyester	TPES
Poly(vinyl fluoride)	PVF	Thermoplastic polyester:	
Poly(vinyl formal)	PVFM	Copolyester [poly(aryl terephthalate)]	ARP
Poly(vinyl pyrrolidone)	PVP	Polyarylate [poly(aryl terephthalate)]—liquid crystal polymer	PAT
Poly(vinylidene chloride)	PVDC		
Poly(vinylidene fluoride)	PVDF	Thermoplastic polyurethane	TPU
Poly(ϵ -caprolactone)	PCL	Thermoplastic polyurethane, reinforced	RTPU
Poly-4-methylpentene-1	PMP	Thermoset polyurethane	TSPU
Poly- α -methylstyrene	PMS		
Poly-p-oxybenzoate	POB		
Polyacrylonitrile	PAN	Ultra-high molecular weight polyethylene	UHMWPE
Polyamide (nylon)	PA	Unsaturated polyester	UP
Polyamide 11	PA11	Urea-formaldehyde resin	UF
Polyamide 12	PA12		
Polyamide 1212	PA1212	Vinyl chloride-ethylene resin	VCE
Polyamide 46	PA46	Vinyl chloride-ethylene-methyl acrylate resin	VCEMA
Polyamide 6	PA6	Vinyl chloride-ethylene-vinyl acetate resin	VCEVAC
Polyamide 610	PA610	Vinyl chloride-methyl acrylate resin	VCMA
Polyamide 612	PA612	Vinyl chloride-methyl methacrylate resin	VCMMA
Polyamide 66	PA66	Vinyl chloride-octyl acrylate resin	VCOA
Polyamide 69	PA69	Vinyl chloride-vinyl acetate resin	VCVAC
Polyamide-imide	PAI	Vinyl chloride-vinylidene chloride resin	VCVDC
Polyarylate	PAR	Vinylidene fluoride	VDF
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		
Polyetheretherketone	PEEK		
Polyetheretherketoneketone	PEEKK		
Polyetherketoneetherketoneketone	PEKEKK		
Polyetherketoneketone	PEKK		
Polyetherimide	PEI		
Polyetherketone	PEK		
Polyethylene	PE		
Poly(ethylene naphthalate)	PEN		
Polyhydroxy butyrate	PHB		
Polyimide	PI		
Polyimidesulfone	PISU		
Polyisobutylene	PIB		
Polyisocyanurate	PIR		
Polyketone	PK		
Polymethacrylimide	PMI		
Polyoxymethylene, polyacetal	POM		
Polyphthalamide	PPA		
Polypropylene	PP		
Polystyrene	PS		
Polysulfone	PSU		
Polytetrafluoroethylene	PTFE		
Polyurethane	PUR		
Saturated polyester plastic	SP		
Silicone plastics	SI		
Styrene- α -methylstyrene plastic	SMS		
Styrene-acrylonitrile plastic	SAN		
Styrene-butadiene plastic	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	S/MA		
Styrene-rubber plastics	SRP		
		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
		Acrylonitrile-butadiene-acrylate plastics+polycarbonate	ABA+PC
		Acrylonitrile-butadiene-styrene plastics+poly(vinyl chloride)	ABS+PVC
		Acrylonitrile-butadiene-styrene plastics+polyphenylene sulfone	ABS+PPSU
		Acrylonitrile-butadiene-styrene plastics+polytetrafluoroethylene	ABS+PTFE
		Acrylonitrile-butadiene-styrene plastics+styrene maleic anhydride	ABS+SMA
		Acrylonitrile-butadiene-styrene plastics+thermoplastic polyurethane	ABS+TPU
		Acrylonitrile-butadiene-styrene plastics+polyamide	ABS+PA
		Acrylonitrile-butadiene-styrene plastics+polycarbonate	ABS+PC
		Acrylonitrile-styrene-acrylate plastics+poly(methyl methacrylate)	ASA+PMMA
		Acrylonitrile-styrene-acrylate plastics+polycarbonate	ASA+PC
		Fully crosslinked elastomeric alloy	FCEA
		Poly(butylene terephthalate)+poly(ethylene terephthalate)	PBT+PET ⁵
			Abbreviated
			PBT+RBR
			PEN
			PET ⁵ +PMMA
			PET ⁵ +PPSU
			PET ⁵ +RBR
			PPE+IPS
			PPS+PTFE
			PVC+CPE
			PVC+NBR
			PVC+PMMA
			PVC+PUR
			PA +
			PA+EMA
			PA+PPE
			PA+PE
			PA+RBR
			PA+SAN

Term	Abbreviated Term	Term	Abbreviated Term
Polycarbonate+poly(butylene terephthalate)	PC+PBT	Trioctyl trimellitate (tri-2-ethylhexyl trimellitate)	TOTM
Polycarbonate+poly(ethylene terephthalate)	PC+PET ⁵	Triphenyl phosphate	TPP
Polycarbonate+polyethylene	PC+PE	Trixylyl phosphate	TXF
Polycarbonate+styrene-maleic anhydride	PC+SMA		
Polycarbonate+thermoplastic polyurethane	PC+TPU		
Polyoxymethylene+polytetrafluoroethylene	POM+PTFE		
Polyoxymethylene+rubber	POM+RBR		
Polyurethane+polyisocyanate	PUR+PIR		
Styrene-maleic anhydride plastics+impact resistant polystyrene	SMA+IPS		
Thermoplastic elastomer-chlorinated ethylene alloy	TECEA		

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
Dimethyl phthalate	DMP
Dinonyl phthalate	DNP
Diocetyl adipate	DOA
Diocetyl azelate	DOZ
Diocetyl isophthalate (di-2-ethylhexyl isophthalate)	DOIP
Diocetyl phthalate	DOP
Diocetyl sebacate	DOS
Diocetyl terephthalate (di-2-ethylhexyl terephthalate)	DOTP
Diphenyl octyl phosphate	DPOF
Diphenyl cresyl phosphate	DPFC
Diphenyl 2-ethylhexyl phosphate	DPOF
Diundecyl phthalate	DUP
Epoxidized linseed oil	ELO
Epoxidized soya bean oil	ESO
Heptyl nonyl undecyl adipate	HNUA
Heptyl nonyl undecyl phthalate	HNUP
Hexyl octyl decyl adipate	HXODA
Hexyl octyl decyl phthalate	HXODP
n-Octyl decyl trimellitate	ODTM
Nonyl undecyl adipate	NUA
Nonyl undecyl phthalate	NUP
Octyl decyl adipate	ODA
Octyl decyl phthalate	ODP
Tetraoctyl pyromellitate (tetra-2-ethylhexyl pyromellitate)	TOPM
Trichloroethyl phosphate	TCEF
Tricresyl phosphate (or tritoly phosphate)	TCF
Triheptyl trimellitate	THTM
Triisooctyl trimellitate	TIOTM
Trioctyl phosphate	TOF

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.

5. Full List by Term and Abbreviated Term

Term	Abbreviated Term
Acrylonitrile-butadiene-acrylate plastics+poly(methyl methacrylate)	ABA+PMMA
Acrylonitrile-butadiene-acrylate plastics+poly(vinyl chloride)	ABA+PVC
Acrylonitrile-butadiene-acrylate plastics+polycarbonate	ABA+PC
Acrylonitrile-butadiene-acrylate plastics	ABA
Acrylonitrile-butadiene-styrene plastics+poly(vinyl chloride)	ABS+PVC
Acrylonitrile-butadiene-styrene plastics+poly(phenylene sulfone)	ABS+PPSU
Acrylonitrile-butadiene-styrene plastics+polytetrafluoro-ethylene	ABS+PTFE
Acrylonitrile-butadiene-styrene plastics+styrene maleic anhydride	ABS+SMA
Acrylonitrile-butadiene-styrene plastics+thermoplastic polyurethane	ABS+TPU
Acrylonitrile-butadiene plastics	AB
Acrylonitrile-butadiene-styrene plastics+polyamide	ABS+PA
Acrylonitrile-butadiene-styrene plastics+polycarbonate	ABS+PC
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+poly(methyl methacrylate)	ASA+PMMA
Acrylonitrile-styrene-acrylate plastics+poly(vinyl chloride)	ASA+PVC
Acrylonitrile-styrene-acrylate plastics	ASA
Acrylonitrile-styrene-acrylate plastics+polycarbonate	ASA+PC
Acrylonitrile/ethylene-propylene-diene/styrene plastics	AEPDMS
Alkylsulfonic acid ester	ASE
Allyl diglycol carbonate	ADC
Aromatic polyester	ARP
Benzyl butyl phthalate	BBP
Benzyl octyl adipate (benzyl 2-ethylhexyl adipate)	BOA
Benzyl octyl phthalate (benzyl 2-ethylhexyl phthalate)	BOP
Carboxymethyl cellulose	CMC

Term	Abbreviated Term	Term	Abbreviated Term
Casein	CS	Hexyl octyl decyl adipate	HXODA
Caseine-formaldehyde resin	CSF	Hexyl octyl decyl phthalate	HXODP
Cellulose acetate	CA	High density polyethylene plastics	HDPE
Cellulose acetate-butylate	CAB	High impact-resistant polystyrene	HIPS
Cellulose acetate-propionate	CAP		
Cellulose formaldehyde	CEF	Impact resistant polystyrene	IPS
Cellulose nitrate	CN		
Cellulose plastics, general	CE	Linear low density polyethylene plastics	LLDPE
Cellulose propionate	CP	Linear medium density polyethylene plastics	LMDPE
Cellulose triacetate	CTA	Liquid crystal polymer	LCP
Chlorinated poly(vinyl chloride)	CPVC	Low density polyethylene plastics	LDPE
Chlorinated polyethylene	CPE		
Chlorotrifluoroethylene	CTFE	Medium density polyethylene plastics	MDPE
Cresol-formaldehyde resin	CF	Melamine-formaldehyde resin	MF
		Melamine/phenol-formaldehyde resin	MPF
		Methacrylate-butadiene-styrene plastics	MBS
		Methyl cellulose	MC
		Methyl methacrylate	MMA
		Methyl methacrylate-acrylonitrile-butadiene-styrene resin	MMABS
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	n-Octyl decyl trimellitate	ODTM
Diallyl fumarate	DAF	Nonyl undecyl adipate	NUA
Diallyl isophthalate	DAIP	Nonyl undecyl phthalate	NUP
Diallyl maleate	DAM	Nylon (See also <i>polyamide</i>)	PA
Diallyl phthalate (diallyl orthophthalate)	DAP		
Dibutyl phthalate	DBP	Octyl decyl adipate	ODA
Dibutyl sebacate	DBS	Octyl decyl phthalate	ODP
Dicapryl phthalate	DCP		
Dicyclohexyl phthalate	DCHP	Perfluoro(alkoxy alkane)	PFA
Didecyl phthalate	DDP	Perfluoro(ethylene-propylene) copolymer	FEP
Diethyl phthalate	DEP	Perfluoromethoxy resin	MFA
Diheptyl phthalate	DHP	Phenol-formaldehyde resin	PF
Dihexyl phthalate	DHX	Phenol-furfural resin	PFF
Diisobutyl phthalate	DIBP	Poly(acrylic acid)	PAA
Diisodecyl adipate	DIDA	Poly(allyl diglycol carbonate)	PADC
Diisododecyl phthalate	DIDP	Poly(aryl ether ketone)	PAEK
Diisooctyl phthalate	DIHP	Poly(butyl acrylate)	PBA
Diisohexyl phthalate	DIHXP	Poly(butylene terephthalate)	PBT
Diisononyl adipate	DINA	Poly(butylene terephthalate)+poly(ethylene terephthalate)	PBT+PET ⁵
Diisononyl phthalate	DINP	Poly(butylene terephthalate)+poly(phenylene ether)	PBT+PPE
Diisooctyl adipate	DIOA	Poly(butylene terephthalate)+rubber	PBT+RBR
Diisooctyl phthalate	DIOP	Poly(cyclohexylenedimethylene	PCCE
Diisopentyl phthalate	DIPP	cyclohexandicarboxylate), glycol and acid comonomer	
Diisotridecyl phthalate	DITDP	Poly(cyclohexylenedimethylene terephthalate)	PCT
Dimethyl phthalate	DMP	Poly(cyclohexylenedimethylene terephthalate), acid comonomer	PCTA
Dinonyl phthalate	DNP		
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)	PESU
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 ⁵
Diundecyl phthalate	DUP	Poly(ethylene terephthalate)+poly(methyl methacrylate)	PET ⁵ +PMMA
		Poly(ethylene terephthalate)+poly(phenylene sulfone)	PET ⁵ +PPSU
			PET ⁵ +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	EVOH	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		
Heptyl nonyl undecyl adipate	HNUA		
Heptyl nonyl undecyl phthalate	HNUP		

Term	Abbreviated Term	Term	Abbreviated Term
Poly(vinyl chloride)+nitrile-butadiene rubber	PVC+NBR	Silicone plastics	SI
Poly(vinyl chloride)+poly(methyl methacrylate)	PVC+PMMA	Single stage	SS
Poly(vinyl chloride) plastics+polyurethane	PVC+PUR	Styrene- α -methylstyrene plastic	SMS
Poly(vinyl chloride-acetate)	PVCA	Styrene-acrylonitrile plastic	SAN
Poly(vinyl fluoride)	PVF	Styrene-butadiene plastics	SB
Poly(vinyl formal)	PVFM	Styrene-butadiene-styrene block copolymer	SBS
Poly(vinyl pyrrolidone)	PVP	Styrene-ethylene/butylene-styrene block copolymer	SEBS
Poly(vinylidene chloride)	PVDC	Styrene-ethylene/propylene-styrene block copolymer	SEPS
Poly(vinylidene fluoride)	PVDF	Styrene-isoprene-styrene block copolymer	SIS
Poly(ϵ -caprolactone)	PCL	Styrene-maleic anhydride plastics+impact resistant polystyrene	SMA+IPS
Poly-4-methyl pentene-1	PMP	Styrene-maleic anhydride plastics	S/MA
Poly- α -methylstyrene	PMS	Styrene-rubber plastics	SRP
Poly-p-oxybenzoate	POB		
Polyacrylonitrile	PAN	Tetrafluoroethylene	TFE
Polyamide (amorphous) blend	PA +	Tetraoctyl pyromellitate (tetra-2-ethylhexyl pyromellitate)	TOPM
Polyamide (nylon)	PA	Thermoplastic elastomer	TPE
Polyamide 11	PA11	Thermoplastic elastomer, ether-ester	TEEE
Polyamide 12	PA12	Thermoplastic elastomer, fully crosslinked elastomer alloy	FCEA
Polyamide 1212	PA1212	Thermoplastic elastomer, highly crosslinked thermoplastic vulcanizate	HCTPV
Polyamide 46	PA46	Thermoplastic elastomer, olefinic	TEO
Polyamide 6	PA6	Thermoplastic elastomer, polyether block amide	PEBA
Polyamide 610	PA610	Thermoplastic elastomer, styrenic	TES
Polyamide 612	PA612	Thermoplastic elastomer styrenic, saturated	TESS
Polyamide 66	PA66	Thermoplastic elastomer styrenic, unsaturated	TESU
Polyamide 69	PA69	Thermoplastic elastomer-chlorinated ethylene alloy	TECEA
Polyamide plastics+ethylene-methacrylic acid (ionomer)	PA+EMA	Thermoplastic polyester	TPES
Polyamide+poly(phenylene ether)	PA+PPE	Thermoplastic polyester:	
Polyamide+polyethylene	PA+PE	Copolyester [poly(aryl terephthalate)]	ARP
Polyamide+rubber	PA+RBR	Polyarylate [poly(aryl terephthalate)]—liquid crystal polymer	PAT
Polyamide+styrene-acrylonitrile plastics	PA+SAN		
Polyamide-imide	PAI	Thermoplastic polyurethane	TPU
Polyarylate	PAR	Thermoplastic polyurethane, reinforced	RTPU
Polyaryl amide	PARA	Thermoset polyurethane	TSPU
Polyarylether	PAE	Triallyl cyanurate	TAC
Polyarylsulfone	PASU	Trichlorethyl phosphate	TCEF
Polybutadiene-acrylonitrile	PBAN	Tricresyl phosphate (or tritolyl phosphate)	TCF
Polybutadiene-styrene	PBS	Triheptyl trimellitate	THTM
Polybutene-1	PB	Triisooctyl trimellitate	TIOTM
Polycarbonate	PC	Trioctyl phosphate	TOF
Polycarbonate+poly(butylene terephthalate)	PC+PBT	Trioctyl trimellitate (tri-2-ethylhexyl trimellitate)	TOTM
Polycarbonate+poly(ethylene terephthalate)	PC+PC+PET ⁵	Triphenyl phosphate	TPP
Polycarbonate+polyethylene	PC+PE	Trixylyl phosphate	TXF
Polycarbonate+styrene-maleic anhydride	PC+SMA		
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	VCMA
Polyetherizimide	PEI	Vinyl chloride-methyl methacrylate resin	VCMMMA
Polyetherketone	PEK	Vinyl chloride-octyl acrylate resin	VCOA
Polyethylene	PE	Vinyl chloride-vinyl acetate resin	VCVAC
Polyhydroxy butyrate	PHB	Vinyl chloride-vinylidene chloride resin	VCVDC
Polyhydroxy butyrate-polyhydroxy valerate	PHBV	Vinylidene fluoride	VDF
Polyimide	PI		
Polyimidesulfone	PISU		
Polyisobutylene	PIB		
Polyisocyanurate	PIR		
Polyketone	PK		
Polymethacrylimide	PMI		
Polyoxymethylene+polytetrafluoroethylene	POM+PTFE		
Polyoxymethylene+rubber	POM+RBR		
Polyoxymethylene, polyacetal	POM		
Polyphtalamide	PPA		
Polypropylene	PP		
Polystyrene	PS		
Polysulfone	PSU		
Polytetrafluoroethylene	PTFE		
Polyurethane	PUR		
Polyurethane+polyisocyanate	PUR+PIR		
Saturated polyester plastic	SP		
See TCF	TTP		

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