

Designation: D 1600 - 99

Standard Terminology for Abbreviated Terms Relating to Plastics¹

This standard is issued under the fixed designation D 1600; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

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

- 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 Products³ 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.

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.

 $^{^{\}rm l}$ This terminology is under the jurisdiction of ASTM Committee D-20 on Plastics and is the direct responsibility of Subcommittee D20.92 on Terminology. Current edition approved Nov. 10, 1999. Published February 2000. Originally published as D 1600 – 58. Last previous edition D 1600 – 98.

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.



Methyl cellulose

Nylon (see also polyamide)

Perfluoro(ethylene-propylene) copolymer

Perfluoro(alkoxy alkane)

Perfluoromethoxy resin

Phenol-furfural resin Poly(acrylic acid)

Phenol-formaldehyde resin

Poly(allyl diglycol carbonate)

Term

Methyl methacrylate-acrylonitrile-butadiene-styrene resin

Abbreviated

Term

МС

PΑ

PFA

FEP

MFA

PF

PFF

PAA

PADC

MMABS

- 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

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	•		• •	PBAN
	·			PBS
	wemacrylate-butatiene-styrene plastics	IVIDO		PBS PB
				PC PC
·				PCTFE
	6 To prevent any confusion with or misuse of the reci	stered trademark DET®		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	Abbreviated
5	Term		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	
Polyetherketoneketone	PEKK	Acrylonitrile-butadiene-styrene plastics+polytetrafluoroethylene	ABS+PTFE
Polyetherimide	PEI	Acrylonitrile-butadiene-styrene plastics+styrene maleic anhy-	ABS+SMA
Polyetherketone	PEK	dride	
Polyethylene	PE	Acrylonitrile-butadiene-styrene plastics+thermoplastic	ABS+TPU
Poly(ethylene naphthalate)	PEN	polyurethane	
Polyhydroxy butyrate	PHB	Acrylonitrile-butadiene-styrene plastics+polyamide	ABS+PA
Polyimide	PI	Acrylonitrile-butadiene-styrene plastics+polycarbonate	ABS+PC
Polyimidesulfone	PISU	Acrylonitrile-styrene-acrylate plastics+poly(methyl methacrylate)ASA+PMMA
Polyisobutylene	PIB	Acrylonitrile-styrene-acrylate plastics+polycarbonate	ASA+PC
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
i oryanomano	1 011	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
·	SMS	Poly(vinyl chloride)+chloridated polyetriylerie Poly(vinyl chloride)+nitrile-butadiene rubber	PVC+NBR
Styrene-α-methylstyrene plastic		, ,	PVC+PMMA
Styrene-acrylonitrile plastic	SAN	Poly(vinyl chloride)+poly(methyl methacrylate)	
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
_ (https://www.	Ligtand	Polycarbonate+poly(butylene terephthalate)	PC+PBT
Thermoplastic elastomer	TPE S COLLECT	Polycarbonate+poly(ethylene terephthalate)	PC+PET ⁶
Thermoplastic elastomer, ether-ester	TEEE	Polycarbonate+polyethylene	PC+PE
Thermoplastic elastomer, fully crosslinked elastomer alloy	FCEA	Polycarbonate+styrene-maleic anhydride	PC+SMA
Thermoplastic elastomer, highly crosslinked thermoplastic vul-	HCTPV	Polycarbonate+thermoplastic polyurethane	PC+TPU
canizate		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 ASIM DI	Styrene-maleic anhydride plastics+impact resistant polystyrene	SMA+IPS
Thermoplastic elastomer styrenic, saturated	TESS: 100 10571	Thermoplastic elastomer-chlorinated ethylene alloy	TECEA
Thermoplastic elastomer styrenic, unsaturated	TESU STESUES / I		
Thermoplastic polyester	TPES	4.3 Plastic and Resin Additives:	
Thermoplastic polyester:			
Copolyester [poly(aryl terephthalate)]	ARP		
Polyarylate [poly(aryl terephthalate)]—liquid crystal	PAT	Term	Abbreviated
polymer			Term
Thermoplastic polyurethane	TPU	Alkylsulfonic acid ester	ASE
Thermoplastic polyurethane, reinforced	RTPU	•	
Thermoset polyurethane	TSPU	Benzyl butyl phthalate	BBP
• •		Benzyl octyl adipate (benzyl 2-ethylhexyl adipate)	BOA
Ultra-high molecular weight polyethylene	UHMWPE	Benzyl octyl phthalate (benzyl 2-ethylhexyl phthalate)	BOP
Unsaturated polyester	UP	,, p (==:=-j. = =::-jovj. povj.	-
Urea-formaldehyde resin	UF	Di-n-octyl phthalate	DNOP
•		Dibutylphthalate	DBP
Vinyl chloride-ethylene resin	VCE	Dibutyl sebacate	DBS
Vinyl chloride-ethylene-methyl acrylate resin	VCEMA	Dicapryl phthalate	DCP
Vinyl chloride-ethylene-vinyl acetate resin	VCEVAC	Dicylohexyl phthalate	DCHP
Vinyl chloride-methyl acrylate resin	VCMA	Didecyl phthalate	DDP
Vinyl chloride-methyl methacrylate resin	VCMMA	Diethyl phthalate	DEP
Vinyl chloride-octyl acrylate resin	VCOA	Diheptyl phthalate	DHP
Vinyl chloride-vinyl acetate resin	VCVAC	Dihexyl phthalate	DHXP
Vinyl chloride-vinyl acetate resin	VCVAC		DIBP
Vinylidene fluoride	VDF	Diisobutyl phthalate	
vinynaene naonae	ועי	Diisodecyl adipate	DIDA
4.2 Blends and Alloys of Plastics:		Diisodecyl phthalate	DIDP
7.2 Dienus una Aubys of Flastics.		Diisoheptyl phthalate	DIHP
		Diisohexyl phthalate	DIHXP
T	Alabananda I	Diisononyl adipate	DINA
Term	Abbreviated	Diisononyl phthalate	DINP
A contractable to the discount of the contract	Term	Diisooctyl adipate	DIOA
Acrylonitrile-butadiene-acrylate plastics + poly(methyl methacry	-ADA+MININA	Diisooctyl phthalate	DIOP
late)	A.D.A., D.V.O.	Diisopentyl phthalate	DIPP
Acrylonitrile-butadiene-acrylate plastics+poly(vinyl chloride)	ABA+PVC	Diisotridecyl phthalate	DITDP



Term	Abbreviated	5. Full List by Term and Abbreviated Term	
	Term	Term	Abbreviated
Dimethyl phthalate	DMP		Term
Dinonyl phthalate	DNP	Acrylonitrile-butadiene-acrylate plastics+poly(methyl	ABA+PMMA
Dioctyl adipate	DOA	methacrylate)	
Dioctyl azelate	DOZ	Acrylonitrile-butadiene-acrylate plastics+poly(vinyl chloride)	ABA+PVC
Dioctyl isophthalate (di-2-ethylhexyl isophthalate)	DOIP	Acrylonitrile-butadiene-acrylate plastics+polycarbonate	ABA+PC
Dioctyl phthalate	DOP	Acrylonitrile-butadiene-acrylate plastics	ABA
Dioctyl sebacate	DOS	Acrylonitrile-butadiene-styrene plastics+poly(vinyl chloride)	ABS+PVC
Dioctyl terephthalate (di-2-ethylhexyl terephthalate)	DOTP	Acrylonitrile-butadiene-styrene plastics+polyphenylene sulfone	ABS+PPSU
Diphenyl octyl phosphate	DPOF	Acrylonitrile-butadiene-styrene plastics+polytetrafluoro-ethylene	
Diphenyl cresyl phosphate	DPCF	Acrylonitrile-butadiene-styrene plastics+styrene maleic	ABS+SMA
Diphenyl 2-ethylhexyl phosphate	DPOF	anhydride	
Diundecyl phthalate	DUP	Acrylonitrile-butadiene-styrene	ABS+TPU
	E1 0	plastics+thermoplastic polyurethane	
Epoxidized linseed oil	ELO	Acrylonitrile/butadiene plastics	AB
Epoxidized soya bean oil	ESO	Acrylonitrile-butadiene-styrene plastics+polyamide	ABS+PA
		Acrylonitrile-butadiene-styrene plastics+polycarbonate	ABS+PC
Heptyl nonyl undecyl adipate	HNUA	Acrylonitrile-chlorinated polyethylene-styrene plastics	ACPES
Heptyl nonyl undecyl phthalate	HNUP	Acrylonitrile-ethylene-styrene plastics	AES
Hexyl octyl decyl adipate	HXODA	Acrylonitrile-methyl acrylate-acrylonitrile-butadiene rubber	AMAB
Hexyl octyl decyl phthalate	HXODP	Acrylonitrile-methyl methacrylate plastics	AMMA
0.11.1.11.11.11	ODTM	Acrylonitrile-styrene-acrylate plastics+poly(methyl methacrylate)ASA+PMMA
n-Octyl decyl trimellitate	ODTM	Acrylonitrile-styrene-acrylate plastics+poly(vinyl chloride)	ASA+PVC
Nonyl undecyl adipate	NUA	Acrylonitrile-styrene-acrylate plastics	ASA
Nonyl undecyl phthalate	NUP	Acrylonitrile-styrene-acrylate plastics+polycarbonate	ASA+PC
Ostal describeding to	004	Acrylonitrile/ethylene-propylene-diene/styrene plastics	AEPDMS
Octyl decyl adipate	ODA	Alkylsulfonic acid ester	ASE
Octyl decyl phthalate	ODP	Allyl diglycol carbonate	ADC
T-4	TODM	Aromatic polyester	ARP
Tetraoctyl pyromellitate (tetra-2-ethylhexyl pyromellitate)	TOPM TCEF		
Trichloroethyl phosphate		Benzyl butyl phthalate	BBP
Tricresyl phosphate (or tritolyl phosphate)	TCF THTM	Benzyl octyl adipate (benzyl 2-ethylhexyl adipate)	BOA
Triheptyl trimellitate	TIOTM	Benzyl octyl phthalate (benzyl 2-ethylhexyl phthalate)	BOP
Triscoctyl trimellitate	TOF		
Trioctyl phosphate	TOTM	Carboxymethyl cellulose	CMC
Trioctyl trimellitate (tri-2-ethylhexyl trimellitate) Triphenyl phosphate	TPP	Casein	CS
Trixylyl phosphate	TXF	Caseine-formaldehyde resin	CSF
mixylyl phosphate	IAI	Cellulose acetate	CA
4.4 Monomers:		Cellulose acetate-butyrate	CAB
4.4 Monomers.		Cellulose acetate-propionate	CAP
		Cellulose formaldehyde	CEF
Term	Abbreviated	Cellulose nitrate	CN
ICIIII	Term	Cellulose plastics, general	CE
Allyl diglycol carbonate		Cellulose propionate	CP
Allyl diglycol carbonate dards itch ai/catalog/stand	ards/sist/c8dc5/	Cellulose triacetate 67-da08e5d3db17/astm-d10	CTA_99
Chlorotrifluoroethylene	CTFE	Chlorinated poly(vinyl chloride)	CPVC
Onlorounidoroeutylene	OHL	Chlorinated polyethylene	CPE
Diallyl chlorendate (diallyl ester of 1,4,5,6,7,7-hexa	DAC	Chlorotrifluoroethylene	CTFE
chlorobicyclo-(2,2,1)-5-heptene-2,3	DAO	Cresol-formaldehyde resin	CF
-dicarboxylic acid)		Di n cetal phthelete	DNOD
Diallyl fumarate	DAF	Di-n-octyl phthalate	DNOP
Diallyl isophthalate	DAIP	Diallyl chlorendate (diallyl ester of 1,4,5,6,7,7-hexachloro-	DAC
Diallyl maleate	DAM	bicyclo-(2,2,1)-5-heptene-2,3- dicarboxylic acid)	
Diallyl phthalate (diallyl orthophthalate)	DAP	Diallyl fumarate	DAF
., , , , ,		Diallyl isophthalate	DAIP
Methyl methacrylate	MMA	Diallyl maleate	DAM
•		Diallyl phthalate (diallyl orthophthalate)	DAP
Tetrafluoroethylene	TFE	Dibutyl phthalate	DBP
Triallyl cyanurate	TAC	Dibutyl sebacate	DBS
• •		Dicapryl phthalate	DCP
4.5 Miscellaneous Plastics Terms:		Dicyclohexyl phthalate	DCHP
		Didecyl phthalate	DDP
		Diethyl phthalate	DEP
Term	Abbreviated	Diheptyl phthalate	DHP
-	Term	Dihexyl phthalate	DHXP
General purpose	GP	Diisobutyl phthalate	DIBP
Single stage	SS	Diisodecyl adipate	DIDA
5 ····9·	- -	Diisodecyl phthalate	DIDP
		Diisoheptyl phthalate	DIHP
Note 3—When listing one or more components, the	e order preferably	Diisohexyl phthalate	DIHXP
should be in decreasing amount by mass. There are sit		Diisononyl adipate	DINA
where long standing usage indicates that this recommen		Diisononyl phthalate	DINP
be followed. An example is ETFE.	iomion should litt	Diisooctyl adipate	DIOA
be followed. All example is ETTE.		•	



Term	Abbreviated	Term	Abbreviated
	Term		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	PCCE
Dimethyl phthalate	DMP	cyclohexandicarboxylate), glycol and acid comonomer	DOT
Dinonyl phthalate	DNP DOA	Poly(cyclohexylenedimethylene terephthalate)	PCT PCTA
Dioctyl adipate Dioctyl azelate	DOZ	Poly(cyclohexylenedimethylene terephthalate), acid comonomer	PCIA
Dioctyl isophthalate (di-2-ethylhexyl isophthalate)	DOIP	Poly(cyclohexylenedimethylene terephthalate), glycol	PCTG
Dioctyl phthalate	DOP	Poly(diallyl phthalate)	PDAP
Dioctyl sebacate	DOS	Poly(ester urethane)	PAUR
Dioctyl terephthalate (di-2-ethylhexyl terephthalate)	DOTP	Poly(ether block amide)	PEBA
Diphenyl 2-ethylhexyl phosphate	DPOF	Poly(ether sulfone)	PES
Diphenyl cresyl phosphate	DPCF	Poly(ether urethane)	PEUR
Diphenyl octyl phosphate	DPOF	Poly(ethylene naphthalate)	PEN
Diundecyl phthalate	DUP	Poly(ethylene oxide)	PEOX
		Poly(ethylene terephthalate)	PET ⁶
Epoxidized linseed oil	ELO	Poly(ethylene terephthalate)+poly(methyl methacrylate)	PET ⁶ +PMMA
Epoxidized soya bean oil	ESO	Poly(ethylene terephthalate)+poly(phenylene sulfone)	PET ⁶ +PPSU
Epoxy, epoxide	EP		PET ⁶ +RBR
Ethyl cellulose	EC	Poly(ethylene terephthalate), glycol comonomer	PETG
Ethylene-chlorotrifluoroethylene copolymer	E-CTFE	Poly(methyl methacrylate)	PMMA
Ethylene-ethyl acrylate plastics	EEA	Poly(methyl methacrylimide) Poly(methyl-α-chloroacrylate)	PMMI
Ethylene-methacrylic acid plastics Ethylene-propylene polymer	EMA EPM	Poly(phenyl sulfone)	PMCA PPSU
Ethylene-propylene-diene plastics	EPD	Poly(phenylene ether) (or poly(phenylene oxide),	PPE
Ethylene-tetrafluoroethylene copolymer	ETFE	a deprecated term)	112
Ethylene-vinyl acetate plastics	EVA	Poly(phenylene ether)+impact resistant polystyrene	PPE+IPS
Ethlene-vinyl alcohol copolymer	EVOH	Poly(phenylene sulfide)	PPS
zanono vinyi dicenci coperyino.	2.0	Poly(phenylene sulfide)+polytetrafluoroethylene	PPS+PTFE
Fluorocarbon perfluoromethoxy	MPA	Poly(phenylene sulfone)	PPSU
Fully crosslinked elastomeric alloy	FCEA	Poly(propylene oxide)	PPOX
Furan-formaldehyde resin	FEP h St	Poly(vinyl acetate)	PVAC
		Poly(vinyl alcohol)	PVOH
General purpose	GP	Poly(vinyl butyral)	PVB
(https://www.	s://stan	Poly(vinyl carbazole)	PVK
Heptyl nonyl undecyl adipate	HNUA	Poly(vinyl chloride)	PVC
Heptyl nonyl undecyl phthalate	HNUP	Poly(vinyl chloride)+chlorinated polyethylene	PVC+CPE
Hexyl octyl decyl adipate	HXODA HXODP	Poly(vinyl chloride)+nitrile-butadiene rubber	PVC+NBR PVC+PMMA
Hexyl octyl decyl phthalate High density polyethylene plastics	HDPE	Poly(vinyl chloride)+poly(methyl methacrylate) Poly(vinyl chloride) plastics+polyurethane	PVC+PUR
High impact-resistant polystyrene	HIPS	Poly(vinyl chloride-acetate)	PVCA
riigir irripaet resistant porystyrene	1111 0	Poly(vinyl fluoride)	PVF
Impact resistant polystyrene	IPS ASTM I	Poly(vinyl formal)	PVFM
		Poly(vinyl pyrrolidono)	PVP
Linear low density polyethylene plastics Catalog/Stand	dar LLDPEST/C8dc3	Poly(vinylidene chloride) -da08e5d3db17/astm-d1	PVDC
Linear medium density polyethylene plastics	LMDPE	Poly(vinylidene fluoride)	PVDF
Liquid crystal polymer	LCP	$Poly(\epsilon$ -caprolactone)	PCL
Low density polyethylene plastics	LDPE	Poly-4-methyl pentene-1	PMP
		Poly-α-methylstyrene	PMS
Medium density polyethylene plastics	MDPE	Poly-p-oxybenzoate	POB
Melamine-formaldehyde resin	MF	Polyacrylonitrile	PAN
Methodrylate bytediana atyrana plastica	MPF	Polyamide (amorphous) blend	PA +
Methacrylate-butadiene-styrene plastics	MBS	Polyamide (nylon)	PA PA11
Methyl cellulose Methyl methacrylate	MC MMA	Polyamide 11 Polyamide 12	PA11 PA12
Methyl methacrylate-acrylonitrile-butadiene-styrene resin	MMABS	Polyamide 1212	PA1212
		Polyamide 46	PA46
n-Octyl decyl trimellitate	ODTM	Polyamide 6	PA6
Nonyl undecyl adipate	NUA	Polyamide 610	PA610
Nonyl undecyl phthalate	NUP	Polyamide 612	PA612
Nylon (See also polyamide)	PA	Polyamide 66	PA66
		Polyamide 69	PA69
Octyl decyl adipate	ODA	Polyamide plastics+ethylene-methacrylic acid (ionomer)	PA+EMA
Octyl decyl phthalate	ODP	Polyamide+poly(phenylene ether)	PA+PPE
5 (()	554	Polyamide+polyethylene	PA+PE
Perfluoro(alkoxy alkane)	PFA EED	Polyamide - styrone pervlenitrile plastics	PA+RBR
Perfluoro(ethylene-propylene) copolymer	FEP	Polyamide+styrene-acrylonitrile plastics Polyamide-imide	PA+SAN PAI
Perfluoromethoxy resin Phenol-formaldehyde resin	MFA PF	Polyarylate Polyarylate	PAR
Phenol-formaldenyde resin Phenol-furfural resin	PFF	Polyaryl amide	PARA
Poly(acrylic acid)	PAA	Polyarylether	PAE
Poly(allyl diglycol carbonate)	PADC	Polyarylsulfone	PASU
Poly(aryl ether ketone)	PAEK	Polybutadiene-acrylonitrile	PBAN
Poly(butyl acrylate)	PBA	Polybutadiene-styrene	PBS
Poly(butylene terephthalate)	PBT	Polybutene-1	PB
Poly(butylene terephthalate)+poly(ethylene terephthalate)	PBT+PET ⁶	Polycarbonate	PC



Term		Abbreviated		Term	Abbreviated
		Term			Term
Polycarbonate+poly(butylene terephthalate)		PC+PBT	Trioctyl phosph	ate	TOF
Polycarbonate+poly(ethylene terephthalate)		PC+PC+PET ⁶	•	ate (tri-2-ethylhexyl trimellitate)	TOTM
Polycarbonate+polyethylene		PC+PE	Triphenyl phosp		TPP
Polycarbonate+styrene-maleic anhydride		PC+SMA	Trixylyl phosph	ate	TXF
Polycarbonate+thermoplastic polyurethane		PC+TPU			LULANADE
Polychlorotrifluoroethylene		PCTFE		cular weight polyethylene	UHMWPE UP
Polyester alkyd (or polyacrylate) Polyester, thermoplastic; polyarylate [poly(a	nd	PAK PAT	Unsaturated po Urea-formaldeh		UF
terephthalate)]—liquid crystal polymer	ıryı	FAI	Orea-Iorrialder	iyue resiri	UF
Polyetheretherketone		PEEK	Vinyl chloride-e	thylene resin	VCE
Polyetheretherketoneketone		PEEKK	,	thylene-methyl acrylate resin	VCEMA
Polyetherketonetherketoneketone		PEKEKK		thylene-vinyl acetate resin	VCEVAC
Polyetherketoneketone		PEKK		nethyl acrylate resin	VCMA
Polyetherizmide		PEI	Vinyl chloride-n	nethyl methacrylate resin	VCMMA
Polyetherketone		PEK	Vinyl chloride-o	ctyl acrylate resin	VCOA
Polyethylene		PE	,	inyl acetate resin	VCVAC
Polyhydroxy butyrate		PHB		inylidene chloride resin	VCVDC
Polyhydroxy butyrate-polyhydroxy valerate		PHBV	Vinylidene fluor	ide	VDF
Polyimide		PI			
Polyimidesulfone Polyisobutylene		PISU PIB	6. Full List	t by Abbreviated Term	
Polyisocyanurate		PIR	Abbreviated	Term	
Polyketone		PK	Term	Term	
Polymethacrylimide		PMI	AB	Acrylonitrile/butadiene plastics	
Polyoxymethylene+polytetrafluoroethylene		POM+PTFE	ABA	Acrylonitrile-butadiene-acrylate plastics	
Polyoxymethylene+rubber		POM+RBR	ABA+PC	Acrylonitrile-butadiene-acrylate+polycarbonate	
Polyoxymethylene, polyacetal		POM	ABA+PMMA	Acrylonitrile-butadiene-acrylate+poly(methyl me	ethacrylate)
Polyphthalamide		PPA	ABA+PVC	Acrylonitrile-butadiene-acrylate+poly(vinyl chlor	ride)
Polypropylene		PP	ABS	Acrylonitrile-butadiene-styrene plastics	
Polystyrene		PS	ABS+PA	Acrylonitrile-butadiene-styrene plastics+polyam	
Polysulfone		PSU	ABS+PC	Acrylonitrile-butadiene-styrene plastics+polycal	
Polytetrafluoroethylene Polyurethane		PTFE DUR	ABS+PTFE	Acrylonitrile-butadiene-styrene+polyphenylene Acrylonitrile-butadiene-styrene+polytetrafluoroe	
Polyurethane+polyisocyanate		PUR+PIR	ABS+PVC	Acrylonitrile-butadiene-styrene+poly(vinyl chlor	•
1 oryanethane i poryioocyanate		//atomd	ABS+SMA	Acrylonitrile-butadiene-styrene+styrene maleic	
Saturated polyester plastic		SP Stall U	ABS+TPU	Acrylonitrile-butadiene-styrene+thermoplastic p	
See TCF		TTP	ACPES	Acrylonitrile-chlorinated polyethylene-styrene p	
Silicone plastics		SI	ADC	Allyl diglycol carbonate	
Single stage		SS	AEPDMS	Acrylonitrile/ethylene-propylene-diene/styrene	plastics
Styrene-α-methylstyrene plastic		SMS	AES	Acrylonitrile-ethylene-styrene plastics	
Styrene-acrylonitrile plastic		SAN SB	AMMA ARP	Acrylonitrile-methyl methacrylate plastics	
Styrene-butadiene plastics Styrene-butadiene-styrene block copolymer		SBS ASTM D1	ARP - 99	Aromatic polyester Thermoplastic polyester, (polyaryl terephthalate	0)
Styrene-ethylene/butylene-styrene block co		SEBS 1 2 2 2 2 2	ASA	Acrylonitrile-styrene-acrylate plastics	5)
Styrene-ethylene/propylene-styrene block of	010100/0101001	SEPS 1/C8dc5 /1	ASA+PC	Acrylonitrile-styrene-acrylate plastics+polycarbo	onate 99
Styrene-isoprene-styrene block copolymer		SIS	ASA+PMMA	Acrylonitrile-styrene-acrylate+poly(methyl meth	
Styrene-maleic anhydride plastics+impact r	esistant polystyrene	SMA+IPS	ASA+PVC	Acrylonitrile-styrene-acrylate+poly(vinyl chloride	e)
Styrene-maleic anhydride plastics		S/MA	ASE	Alkylsulfonic acid ester	
Styrene-rubber plastics		SRP		5	
T . 0		TEE	BBP	Benzyl butyl phthalate	-4-\
Tetrafluoroethylene	v (romollitato)	TFE	BOA	Benzyl octyl adipate (benzyl 2-ethylhexyl adipa	,
Tetraoctyl pyromellitate (tetra-2-ethylhexyl p Thermoplastic elastomer	yromemate)	TOPM TPE	BOP	Benzyl octyl phthalate (benzyl 2-ethylhexyl pht	rialate)
Thermoplastic elastomer, ether-ester		TEEE	CA	Cellulose acetate	
Thermoplastic elastomer, fully crosslinked e	elastomer allov	FCEA	CAB	Cellulose acetate-butyrate	
Thermoplastic elastomer, highly crosslinked	-	HCTPV	CAP	Cellulose acetate-propionate	
vulcanizate			CE	Cellulose plastics, general	
Thermoplastic elastomer, olefinic		TEO	CEF	Cellulose formaldehyde	
Thermoplastic elastomer, polyether block a	mide	PEBA	CF	Cresol-formaldehyde resin	
Thermoplastic elastomer, styrenic		TES	CMC	Carboxymethyl cellulose	
Thermoplastic elastomer styrenic, saturated		TESS	CN	Cellulose nitrate	
Thermoplastic elastomer styrenic, unsatura		TESU	CP	Cellulose propionate	
Thermoplastic elastomer-chlorinated ethyle	ne alloy	TECEA	CPE	Chlorinated polyethylene	
Thermoplastic polyester Thermoplastic polyester:		TPES	CPVC	Chlorinated poly(vinyl chloride)	
Copolyester [poly(aryl terephthalate)]		ARP	CS CSF	Casein Caseine-formaldehyde resin	
Polyarylate [poly(aryl terephthalate)]—I	iauid	PAT	CTA	Cellulose triacetate	
crystal polymer			CTFE	Chlorotrifluoroethylene	
Thermoplastic polyurethane		TPU		•	
Thermoplastic polyurethane, reinforced		RTPU	DAC	Diallyl chlorendate (diallyl ester of 1,4,5,6,7,7-h	nexachlorobicyclo-
Thermoset polyurethane		TSPU	5.45	(2,2,1)-5-heptene-2,3-dicarboxylic acid)	
Triallyl cyanurate		TAC	DAF	Diallyl fumarate	
Trichlorethyl phosphate		TCEF	DAIP	Diallyl maleste	
Tricresyl phosphate (or tritolyl phosphate) Triheptyl trimellitate		TCF THTM	DAM DAP	Diallyl maleate Diallyl phthalate (diallyl orthophthalate)	
Triisooctyl trimellitate		TIOTM	DBP	Dibutyl phthalate	
		- ····		A. E	