This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.



### Standard Terminology for Abbreviated Terms Relating to Plastics<sup>1</sup>

This standard is issued under the fixed designation D1600; 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 ( $\varepsilon$ ) indicates an editorial change since the last revision or reapproval.

This standard has been approved for use by agencies of the U.S. 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 D1418.

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.<sup>2</sup>

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 4 and in ISO/DIS 1043-4 are the same as the corresponding item in ASTM D1600. D1600 includes a number of abbreviated terms that are not in ISO 1043.

1.7 This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.

#### 2. Referenced Documents

- 2.1 ASTM Standards:<sup>3</sup>
- **D883** Terminology Relating to Plastics
- D1418 Practice for Rubber and Rubber Latices— Nomenclature
- D1972 Practice for Generic Marking of Plastic Products (Withdrawn 2014)<sup>4</sup>
- E176 Terminology of Fire Standards

2.2 ISO Standards:<sup>5</sup>

ISO 1043-1:2001 Plastics—Symbols—Part 1: Basic Polymers and Their Special Characteristics

<sup>&</sup>lt;sup>1</sup> This terminology is under the jurisdiction of ASTM Committee D20 on Plastics and is the direct responsibility of Subcommittee D20.92 on Terminology.

Current edition approved Jan. 1, 2018. Published February 2018. Originally approved in 1958. Last previous edition approved in 2014 as D1600 - 14. DOI: 10.1520/D1600-18.

<sup>&</sup>lt;sup>2</sup> "Report on Nomenclature in the Field of Macromolecules," *Journal of Polymer Science*, Vol VIII, 1952, pp. 257–277.

<sup>&</sup>lt;sup>3</sup> 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.

<sup>&</sup>lt;sup>4</sup> The last approved version of this historical standard is referenced on www.astm.org.

<sup>&</sup>lt;sup>5</sup> Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036, http://www.ansi.org.

ISO 1043-2:2000 Plastics—Symbols—Part 2: Fillers and Reinforcing Materials

ISO 1043-3:1996 Plastics—Symbols—Part 3: Plasticizers

ISO 1043-4:1998 Plastics—Symbols and Abbreviated Terms—Part 4: Flame Retardants

### 3. Terminology

3.1 Definitions:

3.1.1 For definitions of general terms, see Terminology D883.

3.2 Definitions of Terms Specific to This Standard:

3.2.1 *flame retardant, FR, n*—a substance which, when added to a combustible material, inhibits flame spread of the resulting substance or material when exposed to flame impingement. (E176)

3.2.1.1 *Discussion*—Flame retardants may be incorporated in plastics as additives (additive flame retardant) or as chemical groups in the base polymer by use of reactive intermediates in the polymerization process (reactive flame retardant). The code numbers in Section 7 of this standard are restricted to additive flame retardants.

3.2.2 *flame retardant, adj*—not a defined term. Use only as a modifier with defined compound terms: flame-retardant chemical, flame-retardant coating, and flame-retardant treatment. (E176)

### 4. Terms and Abbreviated Terms

4.1 Plastics and Resins: <sup>6</sup> (https:// Term Acrylonitrile/butadiene plastics Acrylonitrile-butadiene-acrylate plastics Acrylonitrile-butadiene-styrene plastics Acrylonitrile-chlorinated polyethylene-styrene plastics Acrylonitrile-ethylene-styrene plastics Acrylonitrile-methyl acrylate-acrylonitrile-butadiene rubber Acrylonitrile-methyl methacrylate plastics Acrylonitrile-styrene-acrylate plastics Acrylonitrile-styrene-acrylate plastics Acrylonitrile-styrene-acrylate plastics Acrylonitrile/ethylene-propylene-diene/styrene Aromatic polyester Carboxymethyl cellulose Casein Caseine-formaldehyde resin	Abbreviated Term AB ABA ABS ACPES AES ACPES AES AMAB ACPES AES AMAB ACPES AES AMAB ACPES AES AES AES AES AES AES AES AES AES A	Mediur Melam Methad Methyl Methyl resin Nylon Perfluc Perfluc Perfluc Phenol Poly(at Poly(at Poly(at
Caseine-formaldehyde resin Cellulose acetate Cellulose acetate-butyrate Cellulose acetate propionate Cellulose formaldehyde	CSF CA CAB CAP CEF	Poly(bi Poly(bi Poly(bi Poly(bi Poly(bi

<sup>&</sup>lt;sup>6</sup> To prevent any confusion with or misuse of the registered trademark, PET<sup>®</sup> Milk, the guidelines of 8.1 shall be followed.

Term	Abbreviated Term
Cellulose nitrate Cellulose plastics, general Cellulose propionate Cellulose triacetate	CN CE CP CTA
Chlorinated poly(viny chloride) Chlorinated polyethylene Cresol-formaldehyde resin	CPE CF
Epoxy, epoxide Ethyl cellulose Ethylene acrylate Ethylene-chlorotrifluoroethylene copolymer Ethylene-ethyl acrylate plastics	EP EC EA E-CTFE EEA
Ethylene-methacrylic acid plastics Ethylene-propylene polymer Ethylene-propylene-diene plastics Ethylene-tetrafluoroethylene copolymer	EMA EPM EPD ETFE
Ethylene-vinyl acetate plastics Ethylene-vinyl alcohol copolymer	EVA EVOH
Fluorocarbon perfluoromethoxy Furan formaldehyde resin	MPA FF
General purpose polystyrene	GPPS
High density polyethylene plastics High impact-resistant polystyrene	HDPE HIPS
Impact resistant polystyrene	IPS
Linear low density polyethylene plastics Linear medium density polyethylene plastics Liquid crystal polymer Low density polyethylene plastics	LLDPE LMDPE LCP LDPE
Medium density polyethylene plastics Melamine-formaldehyde resin Melamine/phenol-formaldehyde resin Methacrylate-butadiene-styrene plastics Methyl cellulose Methyl methacrylate-acrylonitrile-butadiene-styrene resin	MDPE MF MPF MBS MC MMABS
Nylon (see also polyamide)	PA
Perfluoro(alkoxy alkane) Perfluoro(ethylene-propylene) copolymer Perfluoromethoxy resin Phenol-formaldehyde resin Phenol-furfural resin Poly(acrylic acid) Poly(acrylic acid) Poly(allyl diglycol carbonate) Poly(allyl diglycol carbonate) Poly(aryl ether ketone) Poly(butyl acrylate) Poly(butyl acrylate) Poly(butylene adipate-co-succinate) Poly(butylene adipate-co-terephthalate) Poly(butylene succinate) Poly(butylene terephthalate) Poly(cyclohexylenedimethylene cyclohexandicar- boxylate), glycoland acid comonomer	PFA FEP MFA PF PFF PAA PADC PAEK PBA PBAS PBAT PBS PBT PCCE
Poly(cyclohexylenedimethylene terephthalate)	PCT

# D1600 – 18

Term	Abbreviated	Term	Abbreviated
	Term		Term
Poly(cyclohexylenedimethylene terephthalate),	PCTA	Polyisobutylene	PIB
acid comonomer		Polyisocyanurate	PIR
Poly(cyclohexylenedimethylene terephthalate), glycol	PCTG	Polyketone	PK
Poly(diallyl phthalate)	PDAP	Polymethacrylimide	PMI
Poly(ester urethane)	PAUR	Polyoxymethylene, polyacetal	POM
Polv(ether block amide)	PEBA	Polyphenylene	PPH
Polv(ether sulfone)	PES	Polyphthalamide	PPA
Polv(ether urethane)	PEUR	Polypronylene	PP
Poly(ethylene furanoate)	PEE	Homonolymer nolypronylene	HPP
Poly(ethylene oxide)	PEOX	Bandom conclumer nolypropylene	RPP
Poly(ethylene terentithalate)	PET <sup>6</sup>	Impact copolymer polypropylene	CPP
Poly(ethylene terephthalate)		Robusturana	
Poly(ethylene terephthalate) alveol comonomer	PETC	Polyculfono	
Poly(entylene tereprinalate) giycor comonomer		Polysuione	DTEE
Poly(lactic actu) Roly(methyl methogradate)		Polytetranuoroetrytene	
Poly(methyl methaerylate)		Polyuleinane	FUN
Poly(methyl methaciyiinide)		Coturated polycoster plantic	00
Poly(methyl-a-chloroacrylate)	PMCA		55
Poly(pnenyi suifone)	PPSU	Silicone plastics	51
Poly(pnenylene etner) (or Poly(pnenylene oxide),	PPE	Styrene- $\alpha$ -methylstyrene plastic	SIVIS
a deprecated term)	880	Styrene-acryionitrile plastic	SAN
Poly(pnenylene sulfide)	PPS	Styrene-butadiene plastic	SB
Poly(phenylene sulfone)	PPSU	Styrene-butadiene-styrene block copolymer	SBS
Poly(propylene oxide)	PPOX	Styrene-ethylene/butylene-styrene block copolymer	SEBS
Poly(vinyl acetate)	PVAC	Styrene-ethylene/propylene-styrene block copolymer	SEPS
Poly(vinyl alcohol)	PVOH	Styrene-isoprene-styrene block copolymer	SIS
Poly(vinyl butyral)	PVB	Styrene-maleic anhydride plastics	S/MA
Poly(vinyl carbazole)	PVK	Styrene-rubber plastics	SRP
Poly(vinyl chloride)	PVC		
Poly(vinyl chloride-acetate)	PVCA	Thermoplastic elastomer	TPE
Poly(vinyl fluoride)	PVF	Thermoplastic elastomer, ether-ester	TEEE
Poly(vinyl formal)	PVFM	Thermoplastic elastomer, fully crosslinked elastomer	FCEA
Poly(vinyl pyrrolidone)	PVP	alloy	
Poly(vinylidene chloride)	PVDC	Thermoplastic elastomer, highly crosslinked	HCTPV
Poly(vinylidene fluoride)	PVDF	thermoplastic vulcanizate	
Poly(e-caprolactone)	PCL	Thermoplastic elastomer, olefinic	TEO
Poly-4-methylpentene-1	PMP 2 1 9 1	Thermoplastic elastomer, polyether block amide	PEBA
Poly-a-methylstyrene	PMS	Thermoplastic elastomer, styrenic	TES
Poly-p-oxybenzoate	POB	Thermoplastic elastomer styrenic, saturated	TESS
Polyacrylonitrile	PAN	Thermoplastic elastomer styrenic, unsaturated	TESU
Polyamide (nylon)	PA	Thermoplastic polvester	TPES
Polvamide 10	PA10	Thermoplastic polyester:	
Polyamide 1010	PA1010	Copolyester [poly(aryl terephthalate)]	ARP
Polyamide 11	PA11	<ul> <li>Polvarylate [poly(aryl terephthalate)]</li> </ul>	PAT
Polyamide 12	PA12	crystal	
Polyamide 1212 and a italy ai/aatalog/atandanda	PA1212 6 1 4 of 0 1 of	12 41 polymer $22 044749402229/actm 4160$	
Polyamide 46	PA46	Thermonlastic polyurethane	TPU
Polyamide 40	PA410	Thermoplastic polyurethane reinforced	RTPLI
Polyamide 6	PAG	Thermoplastic starch	TPS
Polyamide 610	PA610	Thermoset polyurethane	TSPU
Polyamide 612	PA612	memoset polydretnane	1010
Polyamide 66	PAGE	Litra high malagular waight polyathylang	
Polyanilue oo	PAGO		
Polyanilue 09	PA09	Ursaluraleu polyester	
Polyanilue of	PAOI	orea-iormaldenyde resin	01
Polyamide of		Vinul ablavida athulana kasin	VCF
Polyamide-imide		Vinyi chloride-ethylene resin	VCE
Polyarylate	PAR	vinyi chloride-ethylene-methyl acrylate resin	VCEMA
Polyaryl amide	PARA	Vinyi chioride-ethylene-vinyi acetate resin	VOLVAC
Polyarylether	PAE	Vinyl chloride-methyl acrylate resin	VCMA
Polyarylsulfone	PAS	Vinyl chloride-methyl methacrylate resin	VCMMA
Polybutadiene-acrylonitrile	PBAN	Vinyl chloride-octyl acrylate resin	VCOA
Polybutadiene-styrene	PBS	Vinyl chloride-vinyl acetate resin	VCVAC
Polybutene-1	PB	Vinyl chloride-vinylidene chloride resin	VCVDC
Polycarbonate	PC	Vinylidene fluoride	VDF
Polychlorotrifluoroethylene	PCTFE	4.2 Blends and Alloys of Plastics:	
Polyester alkyd (or polyacrylate)	PAK		
Polyetheretherketone	PEEK	Term	Abbreviated
Polyetheretherketoneketone	PEEKK		Term
Polyetherketonetherketoneketone	PEKEKK	Acrylonitrile-butadiene-acrylate plastics + poly(methyl	ABA+PMMA
Polyetherketoneketone	PEKK	methacrylate)	
Polyetherimide	PEI	Acrylonitrile-butadiene-acrylate plastics+poly(vinyl	ABA+PVC
Polyetherketone	PEK	chloride)	
Polyethylene	PE	Acrylonitrile-butadiene-acrylate plastics+polycarbonate	ABA+PC
Poly(ethylene naphthalate)	PEN	Acrylonitrile-butadiene-styrene plastics+poly(vinyl	ABS+PVC
Polyhydroxy butyrate	PHB	chloride)	
Polyimide	PI	Acrylonitrile-butadiene-styrene plastics+polyphenvlene	ABS+PPSU
Polyimidesulfone	PISU	sulfone	

## D1600 – 18

Term	Abbreviated Term	Term	Abbreviated Term
Acrylonitrile-butadiene-styrene	ABS+PTFE	Diisohexyl phthalate	DIHXP
Acrylonitrile-butadiene-styrene plastics+styrene maleic	ABS+SMA	Diisononyl phthalate	DINP
Acrylonitrile-butadiene-styrene plastics+thermoplastic	ABS+TPU	Discoctyl alipate Discoctyl phthalate	DIOA
Acrylonitrile-butadiene-styrene plastics+polyamide	ABS+PA	Disopentyl phthalate	
Acrylonitrile-butadiene-styrene plastics+polycarbonate	ABS+PC	Dimethyl phthalate	DMP
Acrylonitrile-styrene-acrylate plastics+poly(methyl	ASA+PMMA	Dinonyl phthalate	DNP
methacrylate)		Dioctyl adipate	DOA
Acrylonitrile-styrene-acrylate plastics+polycarbonate	ASA+PC	Dioctyl azelate	DOZ
		Dioctyl isophthalate (di-2-ethylhexyl isophthalate)	DOIP
Fully crosslinked elastomeric alloy	FCEA	Dioctyl phthalate	DOP
		Dioctyl sebacate	DOS
Poly(butylene terephthalate)+poly(ethylene	PBT+PET <sup>6</sup>	Dioctyl terephthalate (di-2-ethylhexyl terephthalate)	DOTP
terephthalate)		Diphenyl octyl phosphate	DPOF
	Abbreviated	Diphenyl cresyl phosphate	DPCF
Poly(butylene terephthalate)+rubber	PBT+RBR	Diphenyl 2-ethylhexyl phosphate	DPOF
Poly(ethylene naphthalate)	PEN	Diundecyl phthalate	DUP
Poly(ethylene terephthalate)+poly(methyl	PET <sup>®</sup> +PMMA		
methacrylate)		Epoxidized linseed oil	ELO
Poly(ethylene terephthalate)+poly(phenylene sulfone)	PET <sup>®</sup> +PPSU	Epoxidized soya bean oil	ESO
Poly(ethylene terephthalate)+rubber	PET <sup>®</sup> +RBR		
Poly(phenylene ether)+impact resistant polystyrene	PPE+IPS	Heptyl nonyl undecyl adipate	HNUA
Poly(phenylene sulfide)+polytetrafluoroethylene	PPS+PTFE	Heptyl nonyl undecyl phthalate	HNUP
Poly(vinyl chloride)+chlorinated polyethylene	PVC+CPE	Hexyl octyl decyl adipate	HXODA
Poly(vinyl chloride)+nitrile-butadiene rubber	PVC+NBR	Hexyl octyl decyl phthalate	HXODP
Poly(vinyl chloride)+poly(methyl methacrylate)	PVC+PMMA	• · · · · · · · · · · · · · · · · · · ·	
Poly(vinyl chloride) plastics+polyurethane	PVC+PUR	n-Octyl decyl trimellitate	ODTM
Polyamide (amorphous) blend	PA +	Nonyl undecyl adipate	NUA
(ionomer)	PA+EMA	Nonyl undecyl phthalate	NUP
Polyamide+poly(phenylene ether)	PA+PPE	Octyl decyl adipate	ODA
Polyamide+polyethylene	PA+PE	Octyl decyl phthalate	ODP
Polyamide+rubber	PA+RBR		
Polyamide+styrene-acrylonitrile plastics	PA+SAN	Tetraoctyl pyromellitate (tetra-2-ethylhexyl	TOPM
Polycarbonate+poly(butylene terephthalate)	PC+PBT	pyromellitate)	
Polycarbonate+poly(ethylene terephthalate)	PC+PET <sup>6</sup>	Trichloroethyl phosphate	TCEF
Polycarbonate+polyethylene	PC+PE	Tricresyl phosphate (or tritolyl phosphate)	TCF
Polycarbonate+styrene-maleic anhydride	PC+SMA	Triheptyl trimellitate	THTM
Polycarbonate+thermoplastic polyurethane	PC+TPU	Triisooctyl trimellitate	TIOTM
Polyoxymethylene+polytetrafluoroethylene	POM+PTFE	Trioctyl phosphate	TOF
Polyoxymethylene+rubber	POM+RBR D1600	Trioctyl trimellitate (tri-2-ethylhexyl trimellitate)	TOTM
Polyurethane+polyisocyanate	PUR+PIR	Triphenyl phosphate	TPP
Styrene-maleic anhydride plastics+impact resistant	SMA+IPS d4cf9-1a0	Trixylyl phosphate _9dd748493238/astm-d16(	TXF 8
Thermoplastic elastomer-chlorinated ethylene alloy	TECEA	4.4 Monomers:	

Term	Abbreviated Term
Adipic acid Allyl diglycol carbonate	AA ADC
Butanediol	BD
Chlorotrifluoroethylene	CTFE
Diallyl chlorendate (diallyl ester of 1,4,5,6,7,7-hexa chlorobicyclo-(2,2,1)-5-heptene-2,3	DAC
Diallyl fumarate	DAF
Diallyl isophthalate	DAIP
Diallyl phthalate (diallyl orthophthalate)	DAP
Ethylene	ET
Ethylene Glycol	EG
Lactic acid	LA
Methyl methacrylate	MMA
Propylene	PR
Succinic acid	SA
p-Terephthalic acid	PTA

Note 3-In general, blends and alloys of plastics shall be identified as Abbreviation 1+ Abbreviation 2 + ..... Abbreviation n, where abbreviation 

### 4.3 Plastic and Resin Additives:

Term	Abbreviated Term
Alkylsulfonic acid ester	ASE
Benzyl butyl phthalate Benzyl octyl adipate (benzyl 2-ethylhexyl adipate) Benzyl octyl phthalate (benzyl 2-ethylhexyl phthalate)	BBP BOA BOP
Di-n-octyl phthalate Dibutylphthalate Dibutyl sebacate Dicapryl phthalate Dicylohexyl phthalate Didecyl phthalate Diethyl phthalate Dihetyl phthalate Dihexyl phthalate Disodecyl phthalate Diisodecyl phthalate Diisodecyl phthalate	DNOP DBP DBS DCP DCHP DDP DEP DHP DHXP DIBP DIDA DIDP DIDP

## P D1600 – 18

hexachloro-

dicarboxylic acid) Diallyl fumarate

Diallyl isophthalate

Diallyl maleate

Dibutyl phthalate

Dibutyl sebacate

Didecyl phthalate

Dicapryl phthalate Dicyclohexyl phthalate

Term

Diallyl chlorendate (diallyl ester of 1,4,5,6,7,7-

bicyclo-(2,2,1)-5-heptene-2,3-

Diallyl phthalate (diallyl orthophthalate)

Abbreviated Term

DAC

DAF

DAIP

DAM DAP

DBP

DBS

DCP DCHP

DDP

Term	Abbreviated Term
Tetrafluoroethylene	TFE
Triallyl cyanurate	TAC
4.5 Miscellaneous Plastics Terms:	
Term	Abbreviated
	Term
General purpose	GP
Single stage	SS

Note 4-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

		Diethyl phthalate	DEP
Full List by Term and Abbreviated Term		Diheptyl phthalate	DHP
		Dihexyl phthalate	DHXP
Term	Abbreviated	Diisobutyl phthalate	DIBP
	Term	Diisodecyl adipate	DIDA
Acrylonitrile-butadiene-acrylate plastics+poly(methyl	ABA+PMMA	Diisodecyl phthalate	DIDP
methacrylate)		Diisoheptyl phthalate	DIHP
Acrylonitrile-butadiene-acrylate plastics+poly(vinyl	ABA+PVC	Diisohexyl phthalate	DIHXP
chloride)		Diisononyl adipate	DINA
Acrylonitrile-butadiene-acrylate plastics+polycarbonate	ABA+PC	Diisononyl phthalate	DINP
Acrylonitrile-butadiene-acrylate plastics	ABA	Diisooctyl adipate	DIOA
Acrylonitrile-butadiene-styrene plastics+poly(vinyl	ABS+PVC	Diisooctyl phthalate	DIOP
chloride)		Diisopentyl phthalate	DIPP
Acrylonitrile-butadiene-styrene plastics+polyphenylene	ABS+PPSU	Diisotridecyl phthalate	
sulfone		Dimethyl phthalate	DMP
Acrylonitrile-butadiene-styrene plastics+polytetrafluoro-	ABS+PTEE	Dinonyl phthalate	
ethylene		Diactul adipate	
Acrylonitrile-butadiene-styrene plastics+styrene maleic		Dioctyl adipate	DOZ
anbydride	Aborowia	Dioctyl azerate	DOL
Acrylonitrile-butadiene-styrene		Dioctyl isophiliaiale (di-2-elifylliexyl isophiliaiale)	DOP
nlastice+thermonlastic_polyurethane		Dioctyl philialate	DOF
	AR	Diociyi sebacale	DOS
Acryonitile/buladiene plastics		Dioctyl terephthalate (di-2-ethylnexyl terephthalate)	DOTP
Acrylonitrile-butadiene-styrene plastics+polyamide	ADS+PA	Dipnenyi 2-ethyinexyi phosphate	DPOF
Acryionitrile-butadiene-styrene plastics+polycarbonate	ABS+PC	Diphenyl cresyl phosphate	DPCF
Acryionitrile-chlorinated polyethylene-styrene plastics	ACPES	Diphenyl octyl phosphate	DPOF
Acryionitrile-ethylene-styrene plastics	AES	Diundecyl phthalate	DUP
Acrylonitrile-methyl acrylate-acrylonitrile-butadiene	АМАВ		
rubber		Epoxidized linseed oil	ELO
Acrylonitrile-methyl methacrylate plastics	AMMA	Epoxidized soya bean oil	ESO
Acrylonitrile-styrene-acrylate plastics+poly(methyl	ASA+PMMA	Epoxy, epoxide	EP
methacrylate)	ASIM DI000	Ethyl cellulose	EC
Acrylonitrile-styrene-acrylate plastics+poly(vinyl	ASA+PVC	Ethylenec-b0ec-9dd748493238/astm-d160	) <b>ET</b> 1 8
chloride)		Ethylene acrylate	EA
Acrylonitrile-styrene-acrylate plastics	ASA	Ethylene-chlorotrifluoroethylene copolymer	E-CTFE
Acrylonitrile-styrene-acrylate plastics+polycarbonate	ASA+PC	Ethylene-ethyl acrylate plastics	EEA
Acrylonitrile/ethylene-propylene-diene/styrene plastics	AEPDMS	Ethylene Glycol	EG
Adipic Acid	AA	Ethylene-methacrylic acid plastics	EMA
Alkylsulfonic acid ester	ASE	Ethylene-propylene polymer	EPM
Allyl diglycol carbonate	ADC	Ethylene-propylene-diene plastics	EPD
Aromatic polyester	ARP	Ethylene-tetrafluoroethylene copolymer	ETFE
		Ethylene-vinyl acetate plastics	EVA
Benzyl butyl phthalate	BBP	Ethlene-vinyl alcohol copolymer	EVOH
Benzyl octyl adipate (benzyl 2-ethylhexyl adipate)	BOA		
Benzyl octyl phthalate (benzyl 2-ethylhexyl phthalate)	BOP	Fluorocarbon perfluoromethoxy	MPA
Butanediol	BD	Fully crosslinked elastomeric alloy	FCEA
		Furan-formaldehvde resin	FF
Carboxymethyl cellulose	CMC	,	
Casein	CS	General purpose	GP
Caseine-formaldehyde resin	CSF	General purpose polystyrene	GPPS
Cellulose acetate	CA		0.1.1.0
Cellulose acetate-butvrate	CAB	Hentyl nonyl undecyl adinate	HNUA
Cellulose acetate-propionate	CAP	Hentyl nonyl undecyl pathalate	HNUP
Cellulose formaldehvde	CEF	Hexyl octyl decyl adinate	HXODA
Cellulose nitrate	CN	Hexyl octyl decyl adipate	HYODP
Cellulose plastics general	CF	High density polyethylene plastics	HDPE
Cellulose propionate	CP	High impact-resistant polyetyropo	
	CTA	Hemonolymor nolynonylono	
Chlorinated poly(vinyl chloride)	CPVC	потторотутиет ротургоруюте	NPP
Chlorinated poly(viriy) onlonde	CPE	Import conclumer polypropulate	CDD
Chlorotrifluoroethylene	CTEE	Impact copolymer polypropylene	
Cresol-formaldebyde resin	CF	impact resistant polystyrene	122
orosor formaluenyue resin		Lootio coid	1.4
Di n octul abtholoto	DNOR	Lactic acid	LA
Di-n-ociyi philialale	DINOF		



Term	Abbreviated	Term	Abbreviated
	Term		Term
Linear low density polyethylene plastics	LLDPE	Poly(vinyl chloride)+nitrile-butadiene rubber	PVC+NBR
Linear medium density polyethylene plastics	LMDPE	Poly(vinyl chloride)+poly(methyl methacrylate)	PVC+PMMA
Liquid crystal polymer		Poly(vinyi chloride) plastics+polyurethane	PVC+PUR
Low density polyethylene plastics	LDPE	Poly(vinyi chioride-acetate)	PVCA
Medium density polyethylene plastics	MDPE	Poly(vinyi inuoine)	
Melamine-formaldehyde resin	ME	Poly(vinyi formar) Poly(vinyi pyrrolidone)	
Melamine/phenol-formaldehyde resin	MPF	Poly(vinylidene chloride)	PVDC
Methacrylate-butadiene-styrene plastics	MBS	Poly(vinylidene fluoride)	PVDF
Methyl cellulose	MC	Poly(e-caprolactone)	PCL
Methyl methacrylate	MMA	Poly-4-methyl pentene-1	PMP
Methyl methacrylate-acrylonitrile-butadiene-styrene	MMABS	Poly-α-methylstyrene	PMS
resin		Poly-p-oxybenzoate	POB
- Ost d de sud trins allitete	ODTM	Polyacrylonitrile	PAN
n-Octyl decyl trimellitate		Polyamide (amorphous) blend	PA +
Nonyl undecyl adipate	NUP	Polyamide 10	PA10
Nylon (See also <i>polyamide</i> )	PA	Polyamide 1010	PA1010
		Polyamide 11	PA11
Octyl decyl adipate	ODA	Polyamide 12	PA12
Octyl decyl phthalate	ODP	Polyamide 1212	PA1212
		Polyamide 46	PA46
Perfluoro(alkoxy alkane)	PFA	Polyamide 6	PA6
Perfluoro(ethylene-propylene) copolymer	FEP	Polyamide 610	PA610
Perfluoromethoxy resin	MFA	Polyamide 612	PA612
Phenol-furfural rosin	PF	Polyamide 66	PA60
Poly(acordic acid)	ΡΔΔ	Polyanide 6	PA6
Poly(allyl diglycol carbonate)	PADC	Polyamide 6T	PAGT
Poly(aryl ether ketone)	PAEK	Polyamide plastics+ethylene-methacrylic acid	PA+EMA
Poly(butyl acrylate)	PBA	(ionomer)	
Poly(butylene terephthalate)	PBT	Polyamide+poly(phenylene ether)	PA+PPE
Poly(butylene terephthalate)+poly(ethylene	PBT+PET <sup>6</sup>	Polyamide+polyethylene	PA+PE
terephthalate)		Polyamide+rubber	PA+RBR
Poly(butylene terephthalate)+poly(phenylene ether)	PBT+PPE	Polyamide+styrene-acrylonitrile plastics	PA+SAN
Poly(butylene terephthalate)+rubber	PBT+RBR	Polyamide-imide	PAI
Poly(cyclonexylenedimetrylene	PULE	Polyarylate	
comonomer		Polyan/lether	PARA
Poly(cyclohexylenedimethylene terephthalate)	PCT	Polyarylsulfone	PASU
Poly(cyclohexylenedimethylene terephthalate), acid	PCTA	Polybutadiene-acrylonitrile	PBAN
comonomer		Polybutadiene-styrene	PBS
Poly(cyclohexylenedimethylene terephthalate), glycol	PCTG TM D1600	Polybutene-1	PB
Poly(diallyl phthalate)	PDAP PD10000-	Polycarbonate	PC
Poly(ester urethane) siteh ai/catalog/standards/	sPAUR96d4cf9-1a0	Polycarbonate+poly(butylene terephthalate) astm-d 16(	PC+PBT
Poly(ether block amide)	PEBA	Polycarbonate+poly(ethylene terephthalate)	PC+PC+PET°
Poly(ether suitone)	PES DELID	Polycarbonate+polyetnylene	PC+PE
Poly(ethylene furancate)	PEE	Polycarbonate+styrene-maleic annyunue	PC+SIVIA
Poly(ethylene naphthalate)	PEN	Polychlorotrifluoroethylene	PCTFF
Poly(ethylene oxide)	PEOX	Polvester alkyd (or polvacrylate)	PAK
Poly(ethylene terephthalate)	PET <sup>6</sup>	Polyester, thermoplastic; polyarylate [poly(aryl	PAT
Poly(ethylene terephthalate)+poly(methyl	PET <sup>6</sup> +PMMA	terephthalate)]—liquid crystal polymer	
methacrylate)	2	Polyetheretherketone	PEEK
Poly(ethylene terephthalate)+poly(phenylene sulfone)	PET <sup>®</sup> +PPSU	Polyetheretherketone	PEEKK
	PET <sup>®</sup> +RBR	Polyetherketonetherketoneketone	PEKEKK
Poly(ethylene terephthalate) acid	PEIA	Polyetherizmide	PEKK
Poly(lectry end tereprinalate), grycor comonomer Poly(lectry end)		Polyetherketene	
Poly(methyl methacrylate)	PMMA	Polyethylene	PE
Poly(methyl methacrylimide)	PMMI	Polyhydroxy butyrate	PHB
Poly(methyl-α-chloroacrylate)	PMCA	Polyhydroxy butyrate-polyhydroxy valerate	PHBV
Poly(phenyl sulfone)	PPSU	Polyimide	PI
Poly(phenylene ether) (or poly(phenylene oxide),	PPE	Polyimidesulfone	PISU
a deprecated term)		Polyisobutylene	PIB
Poly(phenylene ether)+impact resistant polystyrene	PPE+IPS	Polyisocyanurate	PIR
Poly(pnenylene sulfide)	PPS	Polyketone	PK
roiy(prieriyiene suilide)+polytetratiuoroetnylene	FF3+FIFE	Polymethacryllmide	
Poly(pronylene oxide)	PPOX	Foryoxymethylene+rubher	
Polv(vinvl acetate)	PVAC	Polyoxymethylene, polyacetal	POM
Poly(vinyl alcohol)	PVOH	Polyphenylene	PPH
Poly(vinyl butyral)	PVB	Polyphthalamide	PPA
Poly(vinyl carbazole)	PVK	Polypropylene	PP
Poly(vinyl chloride)	PVC	Homopolymer polypropylene	HPP
Poly(vinyl chloride)+chlorinated polyethylene	PVC+CPE		