

ABREVIERI STANDARD PENTRU PLASTICURI

Abreviere	Denumire completa	Stabil la temperaturi (°C)	
		De la	Pana la *
ABS	acrylic butadiene styrene copolymer	- 40	+85 (+100)
E-CTFE	ethylene chlortrifluorethylene	- 70	+150 (+170)
ETFE	ethylene tetrafluor ethylene	- 100	+150 (+180)
FEP	tetrafluor ethylene perfluorpropylene	- 100	+205
HDPE	polietilena de inalta densitate	- 50	+80 (+120)
LDPE	polietilena de joasa densitate	- 50	+75 (+90)
MF	melamina	- 60	+80 (+120)
NR	cauciuc natural	- 40	+ 80
PA	poliamida	- 30	+80 (+140)
PBT	polybutylene terephthalate	- 50	+150
PC	policarbonat	- 100	+135 (+140)
PE	polietilena (a se vedea HDPE si LDPE)	- 40	+80 (+90)
PETG	polyethylene terephthalate	- 40	+65
PFA	perfluoralkoxy	- 200	+260
PMMA	polymethylmethacrylate	- 40	+85 (+90)
PMP (TPX)	polimetilpentena	0	+150 (+180)
POM	polioximethilena	- 40	+110 (+140)
PP	polipropilena	- 10	+110 (+140)
PS	polistiren	- 20	+70 (+80)
PTFE	politetrafluor ethilena	- 200	+260
PVC	polyvinylchlorid	- 20	+80
PVDF	polyvinylidene flouride	- 40	+105 (+150)
SAN	styren acrylonitrile	- 20	+85 (+95)
SI	cauciuc siliconic	- 50	+180 (+250)

*** NOTA: PENTRU PERIOADE SCURTE DE TIMP PLASTICURILE SUNT REZISTENTE PANA LA TEMPERATURILE TRECUTE INTRE PARANTEZE**

REZISTENTA PLASTICURILOR LA SUBSTANTE CHIMICE

Reactivi (la 20 °C)	MF	ETFE	PA	PC	HDPE	LDPE	PMMA	POM	PP	PS	PTFE/ FEP	PVC	SAN	PMP
Acetaldehida		○	○	-	○	○	-	○	-	-	●	-	-	○
Acid acetic, glacial	○	○	-	-			-	-	○		●			○
Acetona	●	○	●	-	●	○	-	●	●	-	●	-	-	○
Acetonitril		●	●	-	●	●	-	○	-	-	●	-		-
Acetilena		●	●	●	●	●		●	●		●		-	
Clorura de aluminu, saturata			-	○	●	●	●	-	●		●	○	●	
Amoniac, pur		●		-	●	●	○		●	○	●		○	○
Clorura de amoniu, solid	●		●	●	●	●	●	○	●		●			
Apa regala (acid azotic/acid clorhidric 1:3)	-	●	-	-	-	-		-	-	-	●	-	-	○
Acid ascorbic, sol. apoasa		●	○	○	●	●		○	●		●			
Benzaldehida		○	-	-	○	○	-	●	○	-	●	-	○	●
Benzina	●	●	●	○	○	-	○	●	-	-	●	○	-	○
Acid benzoic, saturat		●	-	-	●	●	●	○	○	○	●	●	●	●
Benzol	●	●	○	-	-	-	-	○	-	-	●	-	-	○
Clorura de calciu, sol. apoasa		●	●	●	●	●	●	○	●	●	●	●	●	●
Tetraclorura de carbon	●	●	-	-	-	-		○	-	-	●	-	-	-
Clor 97%			-	-	-	-	○	-	-	-	●	-	-	-
Clor, sol. apoasa		●	-	-	○	-	○	-	-	-	●	○	○	-
Clorobenzen		●	-	-	-	-	-	●	-	-	●	-	-	-
Cloroform	●	○	-	-	-	-	-	-	-	-	●	-	-	-
Clorura cuprica(II), saturata			-	●	○	●		○	○		●	●		●
Ciclohexan	●	●	●	○	-	-	○	●	-	-	●	○	○	-
Decahidronaftal ina		●	●	-	○	-	-	●	-	-	●	○	-	-
Diclorometan (clorura de metilen)		○	-	-	-	-		○	-	-	●	-	-	-
Dietil eter (eter etilic)		●	●	-	-	-	-	●	-	-	●	-	-	-
Dimetil formamida (DMF)		○	●	-	●	○		●	●	-	●	-	-	●

Dimetilftalat (DMP)			○	-	-	○		○	○	-	●	-	-	
Dimetilsulfoxid (DMSO)		●	○	-	●	●		●	●	●	●	-		●
1,4-Dioxan		●	●	-	○	○	-	●	○	-	●	-	-	○
Etanol (Alcool etilic) 96%	●	●	●	○	●	●	-	●	●	-	●	○	○	●
Acetat de etil	●	●	●	-	○	-		●	○	-	●	-	-	-
Dicloretan		●	-	-	○	○		●	-	-	●	-	-	-
Etilenglicol	●	●	○	○	●	●	○	●	●	●	●	○	●	●
EDTA		●	○	○	●	●		●	●		●			
Alceni fluorinati		●	○	○		-		○	○	-	●			
Fluor		○	-	-	-	-		-	-	-	○	○	-	-
Formaldehida 40%		●	○	●	●	○	●	●	●	-	●	○	-	●
Acid formic 98%	●	●	-	-	●	●	-	-	○	-	●	○	-	○
Glicerina	●	●	●	○	●	●	●	●	●	●	●	○	●	●
Haloalcani (FCKW)			○	○				●	○	-	●			
n-Heptan		●	●	●	○	-	●	●	○	-	●		●	○
n-Hexan		●	●	○	○	-		●	○	-	●		●	-
Acid bromhidric 50%		●	-	-	●	●		-	●	-	●	○		-
Acid clorhidric, concentrat	-	●	-	-	●	●		-	●	○	●	○	○	●
Acid fluorhidric, concentrat	-		-	-				-	○		●			
Hidrogen clorurat, gazos			-	-	●			-	●		●	○		
Apa oxigenata 90%	-	●	-	●	●	●	-	-	●	●	●	○		●
Mercur		●	●	●	●	●		●	●	●	●	○	●	●
Metanol		●	○	-	●	●	-	●	●	-	●	○	-	●
Metiletilcetona (MEK)		○	●	-	○	-	-	●	○	-	●	-	-	-
Metacrilat de metil			○	-				○	○	-	●	-		-
Oleum (vapori de acid sulfuric)			-	-	-	-	-	-	-	-	●	-		-
Acid oxalic		●	-	●	●	●	●	-	●	●	●	●	●	●
Oxigen			○	●	○	○		●	○	●	●	●		
Acid percloric 70%		●	-	-	○	-		-	-	○	●	-		○
Eter de petrol			●	-	○	○		●	○	-	●	○	○	●
Fenol		●	-	-	○	○	-	-	●	-	●	-	-	●
Acid fosforic 85%	-	●	-	●	●	●	○	-	●	●	●	●	●	●
Clorura de fosforil			-	-	○	○		-	○		●	-		
Hidroxid de potasiu, concentrat	-	●	●	-	●	●	●	○	●	○	●	●	○	●

Permanganat de potasiu		●	-	●	○	●	○	●	●	○	●	○	○	●
Piridina		●	●	-	○	○		●	○	-	●	-	-	○
Acid salicilic, saturat		●	●	●	●	●		-	●	●	●	○	●	●
Azotat de argint, sol apoasa			●	●	●			●	●		●			
Hidroxid de sodiu, concentrat	-		○	-	●	●	●		●		●			
Tiosulfat de sodiu		●	●		●	●		●	●		●		●	
Acid sulfuric 95%		●	-	-	-	-	-	-	-	-	●	○	-	○
Tetrahidrofuran (THF)	●	○	●	-	-	-	-	●	-	-	●	-	-	-
Clorura de tionil		●	-	-	-	-		○	-	-	●	-	-	-
Tinctura de iod		●	-	-	○	○	-	●	●	○	●	-	○	●
Toluen		●	●	-	○	○	-	-	○	-	●	-	-	○
Acid tricloracetic (TCA)			-	-	○	-		-	●	-	●	-		
Tricloretilena		●	-	-	-	-		-	-	-	●	-	-	-
Uree	●	●	●	●	●	●	●	●	●	●	●	○	●	●
Xilen		●	●	-	-	-	-	●	-	-	●	-	-	-

NOTA:

“●” = rezistent

“○” = rezistent in anumite conditii

“-“ = nerezistent