

Abbreviations, Temperature and Chemical Resistance of Plastics

The table below lists commonly used abbreviations for plastics. This list covers plastics commonly employed in the manufacture of plastic laboratory ware.

DIN- Abbreviation	Chemical Designation	Tolerated Temperature Range in Normal Use	
		From	To
ABS	Acrylobutadiene-styrene copolymer	-40°C	+85 (100)°C
HDPE	High-Density polyethylene	-50°C	+80 (120)°C
LDPE	Low-Density polyethylene	-50°C	+75 (90)°C
PA	Polyamide (PA6)	-30°C	+80 (140)°C
PC	Polycarbonate	-100°C	+135 (140)°C
PE	Polyethylene (cf. HDPE/LDPE)	-40°C	+80 (90)°C
PMP (TPX®)	Polymethylpentene	0°C	+120 (180)°C ?
PMMA	Polymethylmethacrylate	-40°C	+85 (90)°C
POM	Poloxymethylene	-40°C	+90 (110)°C
PP	Polypropylene	-10°C	+120 (140)°C ?
PS	Polystyrene	-10°C	+70 (80)°C
SAN	Styrene-acrylonitrile	-20°C	+85 (95)°C
SI	Silicone Rubber	-50°C	+180 (250)°C
PVDF	Polyvinylidene fluoride	-40°C	+105 (150)°C
PTFE	Polytetrafluoroethylene	-200°C	+260°C
E-CTFE	Ethylene-Chlorotrifluoroethylene	-76°C	+150 (170)°C
ETFE	Ethylene-tetrafluoroethylene	-100°C	+150 (180)°C
PFA	Perfluoroalkoxy	-200°C	+260°C
FEP	Tetrafluoroethylene-perfluoropropylene	-200°C	+205°C
PVC	Polyvinylchloride	-20°C	+80°C

*Temperatures appearing in brackets = tolerated temperature for intervals only

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