

Styrolution Terluxe® 2802 HD MABS

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Transparent, Molded

Material Notes:

Description: Terluxe 2802 HD is a standard injection molding Methyl Methacrylate Acrylonitrile Butadiene Styrene grade for transparent parts. Information provided by STYROLUTION, which is a joint venture between BASF and INEOS

Order this product through the following link:

http://www.lookpolymers.com/polymer_Styrolution-Terluxe-2802-HD-MABS.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	ASTM D792
Moisture Absorption at Equilibrium	0.35 %	0.35 %	50% RH; ASTM D570
	0.70 %	0.70 %	Saturation; ASTM D570
Linear Mold Shrinkage	0.01397 cm/cm	0.01397 in/in	1/8" bar

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	48.0 MPa	6960 psi	ASTM D638
Elongation at Break	12 %	12 %	ASTM D638
Elongation at Yield	4.0 %	4.0 %	ASTM D638

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	94.0 Å°C	201 Å°F	ASTM D638
Deflection Temperature at 1.8 MPa (264 psi)	90.0 Å°C	194 Å°F	ASTM D638
Glass Transition Temp, Tg	107 Å°C	225 Å°F	ASTM D3418

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+13 ohm-cm	>= 1.00e+13 ohm-cm	ASTM D257
	@Thickness 1.50 mm	@Thickness 0.0591 in	
Surface Resistance	>= 1.00e+15 ohm	>= 1.00e+15 ohm	ASTM D257

Descriptive Properties	Value	Comments
Commercial Status	North America	

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