

Techmer ES Plastiblend® ABS LG UV

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Availability: North America Forms: Pellets Features: Low Gloss Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Plastiblend-ABS-LG-UV.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ASTM D792
Melt Flow	7.0 g/10 min @Load 3.80 kg, Temperature 230 °C	7.0 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785
Tensile Strength, Yield	36.5 MPa	5300 psi	ASTM D638
Elongation at Yield	30 %	30 %	ASTM D638
Flexural Yield Strength	71.7 MPa	10400 psi	ASTM D790
Flexural Modulus	2.41 GPa	350 ksi	ASTM D790
Izod Impact, Notched	1.60 J/cm @Thickness 3.17 mm, Temperature 72.8 °C	3.00 ft-lb/in @Thickness 0.125 in, Temperature 163 °F	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	90.0 µm/m-°C	50.0 µin/in-°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	90.0 °C	194 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	76.1 °C	169 °F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

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