

## Techmer ES Plastiblend® ABS/PA 1700 B2

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS)/Nylon Blend , Nylon

### Material Notes:

Availability: North America Forms: Pellets Appearance: Natural Color Processing Method: Extrusion Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Plastiblend-ABSPA-1700-B2.php](http://www.lookpolymers.com/polymer_Techmer-ES-Plastiblend-ABSPA-1700-B2.php)

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage, Flow	0.0060 cm/cm @Thickness 3.17 mm	0.0060 in/in @Thickness 0.125 in	ASTM D955
Melt Flow	1.0 g/10 min @Load 3.80 kg, Temperature 230 °C	1.0 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength at Break	51.7 MPa	7500 psi	ASTM D638
Elongation at Break	55 %	55 %	ASTM D638
Flexural Strength	84.8 MPa	12300 psi	ASTM D790
Flexural Modulus	1.93 GPa	280 ksi	ASTM D790
Izod Impact, Notched	6.41 J/cm @Thickness 3.17 mm	12.0 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	93.3 °C	200 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	75.6 °C	168 °F	Unannealed; ASTM D648
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	

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