

## Techmer ES Plastiblend® ABS 922 NAT

Category : Polymer , Thermoplastic , ABS Polymer

**Material Notes:**

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

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Plastiblend-ABS-922-NAT.php](http://www.lookpolymers.com/polymer_Techmer-ES-Plastiblend-ABS-922-NAT.php)

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in <sup>3</sup>	ASTM D792
Melt Flow	20 g/10 min @Load 10.0 kg, Temperature 220 °C	20 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength, Yield	44.8 MPa	6500 psi	ASTM D638
Elongation at Break	3.1 %	3.1 %	ASTM D638
Flexural Strength	71.0 MPa	10300 psi	ASTM D790
Flexural Modulus	2.21 GPa	320 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm @Thickness 3.17 mm, Temperature -40.0 °C	1.00 ft-lb/in @Thickness 0.125 in, Temperature -40.0 °F	ASTM D256
	0.854 J/cm @Thickness 3.17 mm, Temperature 0.000 °C	1.60 ft-lb/in @Thickness 0.125 in, Temperature 32.0 °F	ASTM D256
	2.67 J/cm @Thickness 3.17 mm, Temperature 22.8 °C	5.00 ft-lb/in @Thickness 0.125 in, Temperature 73.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	91.1 °C	196 °F	Unannealed; ASTM D648
	104 °C	219 °F	Annealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	77.8 °C	172 °F	Unannealed; ASTM D648
	98.9 °C	210 °F	Annealed; ASTM D648

Thermal Properties

Metric

English

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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