

TPI Porene® ABS-SR101 High Impact Extrusion Grade ABS Resin

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Extruded

Material Notes:

Information provided by US distributor Polymer Technology and Services, LLC (PTS).

Order this product through the following link:

http://www.lookpolymers.com/polymer_TPI-Porene-ABS-SR101-High-Impact-Extrusion-Grade-ABS-Resin.php

Physical Properties	Metric	English	Comments
Melt Flow	7.0 g/10 min	7.0 g/10 min	
	@Load 10.0 kg, Temperature 220 °C	@Load 22.0 lb, Temperature 428 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785
Tensile Strength, Yield	43.0 MPa	6240 psi	
	@Thickness 3.17 mm	@Thickness 0.125 in	
Flexural Yield Strength	59.1 MPa	8570 psi	
	@Thickness 3.17 mm	@Thickness 0.125 in	
Flexural Modulus	1.93 GPa	280 ksi	
	@Thickness 3.17 mm	@Thickness 0.125 in	
Izod Impact, Notched	2.94 J/cm	5.51 ft-lb/in	
	@Thickness 6.35 mm	@Thickness 0.250 in	
	3.58 J/cm	6.71 ft-lb/in	
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	92.0 °C	198 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C	185 °F	ASTM D648
Flammability, UL94	HB	HB	
	@Thickness 3.17 mm	@Thickness 0.125 in	

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