

TPI Porene® KU900 Super High Heat ABS

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

Material Notes:

INJECTION MOLDING. ELECTRICAL PARTS, AUTOMOTIVE APPLICATIONS, HOUSEHOLD GOODS, TOYS Porene® is a registered trademark of Thai Petrochemical Industry Co. LTD. Information provided by Dayson Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_TPI-Porene-KU900-Super-High-Heat-ABS.php

Physical Properties	Metric	English	Comments
Melt Flow	4.5 g/10 min @Load 10.0 kg, Temperature 220 °C	4.5 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	112	112	0.250 inch; ASTM D785
Tensile Strength at Break	49.0 MPa	7110 psi	ASTM D638
Flexural Yield Strength	70.3 MPa	10200 psi	ASTM D790
Flexural Modulus	2.35 GPa	341 ksi	ASTM D790
Izod Impact, Notched	1.28 J/cm	2.39 ft-lb/in	0.250 inches; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	114 °C	237 °F	0.250 inch; Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	104 °C	219 °F	Unannealed; 0.250 inches; ASTM D648
Flammability, UL94	HB	HB	0.126 inch

Processing Properties	Metric	English	Comments
Melt Temperature	220 - 260 °C	428 - 500 °F	
Mold Temperature	40.0 - 80.0 °C	104 - 176 °F	
Drying Temperature	90.0 - 100 °C	194 - 212 °F	
Dry Time	2 - 3 hour	2 - 3 hour	

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