

TPI Porene® GA800TW High Gloss/Weather Resistant/Antistatic Grade ABS

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

Material Notes:

INJECTION MOLDING; ANTISTATIC; WEATHER RESISTANT. HOUSING OF ELECTRICAL APPLIANCES, e.g. ELECTRIC FAN, TELEPHONE, CALCULATOR, TOYSPorene® 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-GA800TW-High-GlossWeather-ResistantAntistatic-Grade-ABS.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	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	118	118	0.250 inch; ASTM D785
Tensile Strength at Break	52.0 MPa	7540 psi	ASTM D638
Flexural Yield Strength	70.60 MPa	10240 psi	ASTM D790
Flexural Modulus	2.35 GPa	341 ksi	ASTM D790
Izod Impact, Notched	3.32 J/cm	6.21 ft-lb/in	0.250 inches; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	96.1 °C	205 °F	0.250 inch; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	87.2 °C	189 °F	0.250 inches; ASTM D648
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Melt Temperature	190 - 240 °C	374 - 464 °F	

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