

Iran Petrochemical (PCC) SH-0150 Acrylonitrile Butadiene Styrene

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

SH - 0150 ABS extrusion grade has been formulated to provide excellent mechanical properties, extrusion stability, vacuum formability and chemical resistance. It is a high flow extrusion grade with high impact strength at ambient temperature and considerable impact strength at low temperatures. This grade has a wide processing window. Applications: parts with significant impact resistance, general sheets. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-SH-0150-Acrylonitrile-Butadiene-Styrene.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in ³	
Linear Mold Shrinkage	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	ASTM D955
Melt Flow	1.1 g/10 min @Load 5.00 kg, Temperature 200 °C	1.1 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	106	106	ASTM D785
Tensile Strength, Yield	44.1 MPa	6400 psi	ASTM D638
Flexural Yield Strength	63.7 MPa	9250 psi	ASTM D790
Flexural Modulus	2.21 GPa	321 ksi	ASTM D790
Izod Impact, Notched (ISO)	28.0 kJ/m ²	13.3 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Vicat Softening Point	101 °C	214 °F	ASTM D1525
Flammability, UL94	HB	HB	

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