

Iran Petrochemical (PCC) D 50 S Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Extrusion Grade , Polypropylene, Fiber Grade

Material Notes:

Moplen D 50 S is a homopolymer with a high molecular weight and outstanding mechanical properties. The product shows excellent processability in extrusion applications and exhibits excellent long term heat resistance. Moplen D 50 S is well suited for technical extrusion applications that require both high stiffness and high impact resistance. Applications: extrusion of thin sheet for thermoforming, injection moulding wheels, fittings and high performance industrial components. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-D-50-S-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ISO 1183
Melt Flow	0.30 g/10 min	0.30 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	70	70	ISO 868
Tensile Stress	33.0 MPa	4790 psi	ISO R527
Elongation at Yield	14 %	14 %	ISO R527
Flexural Modulus	1.35 GPa	196 ksi	ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m ²	2.86 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Vicat Softening Point	153 Â°C	307 Â°F	ISO 306/A
Heat Distortion Temperature	100 Â°C	212 Â°F	ISO 75/B

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