

Iran Petrochemical (PCC) Moplen EP-S31HP Polypropylene

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

Material Notes:

Moplen EP-S31HP is a heterophasic polypropylene copolymer with an exceptional mechanical properties balance. In comparison with standard polypropylene copolymers with the same fluidity, Moplen EP-S31HP offers some distinct advantages: higher stiffness, superior impact resistance both at room temperature and at low temperatures, excellent creep and deformation resistance, very high dimensional stability. Applications: baler twines, packaging twines and ropes, brush and broom filling and technical applications. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-Moplen-EP-S31HP-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ISO 1183
Melt Flow	6.0 g/10 min	6.0 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	71	71	ISO 868
Tensile Stress	34.0 MPa	4930 psi	ISO R527
Elongation at Yield	13 %	13 %	ISO R527
Flexural Modulus	1.50 GPa	218 ksi	ISO 178
Izod Impact, Notched (ISO)	4.00 kJ/m ²	1.90 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Vicat Softening Point	155 Â°C	311 Â°F	ISO 306/A
Heat Distortion Temperature	119 Â°C	246 Â°F	ISO 75/B

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