

Iran Petrochemical (PCC) Moplen Z 30 S Polypropylene

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

Material Notes:

Moplen Z 30S is a high melt flow homopolymer for the production of low denier BCF, CF, and staple fibers at medium to high spinning speeds. Moplen Z30S offers a high homogeneity, stable extrusion and excellent process ability on both short and long spinning lines. This grade allows a high stretch ratio and gives tough and resilient fibers. Application: Moplen Z30S is widely used for the production of bulked continuous filament for carpet face yarns. Another major application is the production of high tenacity continuous filament for straps for backpacks, handles for big bags and safety belts. Continuous filament with medium tenacity is used for upholstery, sports wear and heavy duty clothing. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-Moplen-Z-30-S-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ISO 1183
Melt Flow	25 g/10 min	25 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	72	72	ISO 868
Tensile Stress	35.0 MPa	5080 psi	ISO R527
Elongation at Yield	13 %	13 %	ISO R527
Flexural Modulus	1.55 GPa	225 ksi	ISO 178
Izod Impact, Notched (ISO)	3.00 kJ/m ²	1.43 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	118 Â°C	244 Â°F	ISO 75/B

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