

SABIC PP 506P Polypropylene Homopolymer for Raffia Applications

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Product Description: PP 506P is intended for producing low denier stretched tapes with the following features: Consistent processability Good processability at high line speeds and low deniers Low tapes shrinkage Low water carry over Very good mechanical properties

Typical Applications: PP 506P can be used for producing carpet backing, woven bags, cable fillers, geotextiles and concrete reinforcements.

Information provided by SABIC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-PP-506P-Polypropylene-Homopolymer-for-Raffia-Applications.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ASTM D792
Melt Flow	4.8 g/10 min @Load 2.16 kg, Temperature 230 °C	4.8 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength, Yield	35.0 MPa	5080 psi	ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Flexural Modulus, 1% Secant	1500 MPa	218000 psi	ASTM D790A
Izod Impact, Notched	0.320 J/cm	0.599 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	100 °C	212 °F	ASTM D648
Vicat Softening Point	155 °C	311 °F	ASTM D1525B

Processing Properties	Metric	English	Comments
Processing Temperature	235 - 250 °C	455 - 482 °F	Barrel Temperature
Melt Temperature	250 - 260 °C	482 - 500 °F	

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