

SABIC PP 504P Polypropylene Homopolymer for Raffia Applications

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Product Description: PP 504P is specially developed for producing stretched tapes with the following features: Consistent processability, Easy orientation, Low water carry over, Good mechanical properties. **Typical Applications:** PP 504P can be used for producing woven bags, flexible intermediate bulk containers, ropes & twines, carpet backing and geotextiles. Information provided by SABIC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-PP-504P-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	3.2 g/10 min @Load 2.16 kg, Temperature 230 °C	3.2 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	102	102	ASTM D785
Tensile Strength, Yield	35.0 MPa	5080 psi	ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Flexural Modulus, 1% Secant	1450 MPa	210000 psi	ASTM D790A
Izod Impact, Notched	0.550 J/cm	1.03 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	94.0 °C	201 °F	ASTM D648
Vicat Softening Point	156 °C	313 °F	ASTM D1525B

Processing Properties	Metric	English	Comments
Processing Temperature	230 - 260 °C	446 - 500 °F	Barrel Temperature

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