

Braskem RP 144 Coating Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Description: RP 144 is a high melt flow rate random copolymer, designed for high speed coating equipments. This product features good processability, excellent gloss and weldability. Applications: Waterproofing of welded raffia bags. Information provided by Braskem

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-RP-144-Coating-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.902 g/cc	0.0326 lb/in ³	ASTM D792A
Melt Flow	40 g/10 min @Load 2.16 kg, Temperature 230 °C	40 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238L

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	76	76	ASTM D785
Tensile Strength, Yield	27.0 MPa	3920 psi	ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Flexural Modulus	0.800 GPa	116 ksi	1% secant; ASTM D790
Izod Impact, Notched	0.200 J/cm @Temperature -20.0 °C	0.375 ft-lb/in @Temperature -4.00 °F	ASTM D256A
	0.350 J/cm @Temperature 23.0 °C	0.656 ft-lb/in @Temperature 73.4 °F	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	86.0 °C	187 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	ASTM D648
Vicat Softening Point	130 °C	266 °F	10 N; ASTM D1525

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