

Braskem PP RP 144

Polypropylene Random Copolymer

Braskem

Message:

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

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	High Gloss		
	Random Copolymer		
	Weldable		
Uses	Coating Applications		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Extrusion Coating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.902	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	40	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale, Injection Molded	76		ASTM D785
R-Scale	76		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	27.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Yield, Injection Molded)	12	%	ASTM D638, ISO 527-2
Flexural Modulus			
1% Secant : Injection Molded	800	MPa	ASTM D790
Injection Molded	850	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
-20°C, Injection Molded	20	J/m	ASTM D256
23°C, Injection Molded	35	J/m	ASTM D256
23°C, Injection Molded	3.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load			
0.45 MPa, Unannealed, Injection Molded	86.0	°C	ASTM D648
0.45 MPa, Unannealed	86.0	°C	ISO 75-2/B
1.8 MPa, Unannealed, Injection Molded	50.0	°C	ASTM D648
1.8 MPa, Unannealed	50.0	°C	ISO 75-2/A
Vicat Softening Temperature	130	°C	ISO 306/A, ASTM D1525 ¹

NOTE

1. Loading 1 (10 N)

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