

Braskem PP CP 144

Polypropylene Copolymer

Braskem

Message:

Description:
CP 144 is a high melt flow rate heterophasic copolymer designed to extrusion coating. This product exhibits very good processability and good melt stability.

Applications:
Waterproofing of raffia bags with greater puncture resistance.

General Information			
Features	Copolymer		
	Good Processability		
Uses	Bags		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Extrusion Coating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	47	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale, Injection Molded	81		ASTM D785
R-Scale	81		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	23.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Yield, Injection Molded)	8.0	%	ASTM D638, ISO 527-2
Flexural Modulus			
1% Secant : Injection Molded	900	MPa	ASTM D790
Injection Molded	1050	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
-20°C, Injection Molded	35	J/m	ASTM D256
23°C, Injection Molded	100	J/m	ASTM D256
-20°C, Injection Molded	4.0	kJ/m ²	ISO 180
23°C, Injection Molded	9.3	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, Injection Molded	83.0	°C	ASTM D648

0.45 MPa, Unannealed	83.0	°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	146	°C	ISO 306/A, ASTM D1525 ¹

NOTE

- Loading 1 (10 N)

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