

Braskem PP H 103

Polypropylene Homopolymer

Braskem

Message:

Description:
H 103 is a high melt flow rate homopolymer with general purpose additive package. The product exhibits excellent processing performance on injection moulding applications.

Applications:
Thin-walled packages for food and cosmetics; Toys; Household appliances; Sealed bottle caps; Compounds; Coating for raffia bags or big-bag.

General Information			
Features	Good Processing Stability Homopolymer		
Uses	Bottles Closures Cosmetic Packaging Food Packaging Household Goods Thin-walled Parts Toys		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Extrusion Coating Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.905	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	101		ASTM D785
R-Scale	101		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	34.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Yield, Injection Molded)	12	%	ASTM D638, ISO 527-2
Flexural Modulus			
1% Secant : Injection Molded	1200	MPa	ASTM D790
Injection Molded	1350	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C, Injection Molded	20	J/m	ASTM D256
23°C, Injection Molded	2.1	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, Injection Molded	98.0	°C	ASTM D648
0.45 MPa, Unannealed	98.0	°C	ISO 75-2/B
1.8 MPa, Unannealed, Injection Molded	55.0	°C	ASTM D648
1.8 MPa, Unannealed	55.0	°C	ISO 75-2/A
Vicat Softening Temperature	156	°C	ISO 306/A, ASTM D1525 ¹
NOTE			

1. Loading 1 (10 N)

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