

Braskem PP H 203

Polypropylene Homopolymer

Braskem

Message:

H 203 is a high melt flow rate additivated homopolymer used for general purposes. This product exhibits excellent processability and good stiffness/impact strength balance. It also features low taste/odor transfer.

Applications:

Injection of electric portables and household appliances; Injected chest drawers and closets.

General Information			
Features	General Purpose		
	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	High Flow		
	Homopolymer		
	Low to No Odor		
	Low to No Taste		
Uses	Appliances		
	Electrical/Electronic Applications		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Fiber (Spinning) Extrusion		
	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)	20	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale, Injection Molded	97		ASTM D785
R-Scale	97		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	35.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Yield, Injection Molded)	11	%	ASTM D638, ISO 527-2
Flexural Modulus			
1% Secant : Injection Molded	1100	MPa	ASTM D790
Injection Molded	1300	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C, Injection Molded	30	J/m	ASTM D256
23°C, Injection Molded	2.9	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, Injection Molded	96.0	°C	ASTM D648
0.45 MPa, Unannealed	96.0	°C	ISO 75-2/B
1.8 MPa, Unannealed, Injection Molded	56.0	°C	ASTM D648
1.8 MPa, Unannealed	56.0	°C	ISO 75-2/A
Vicat Softening Temperature	152	°C	ISO 306/A, ASTM D1525 ¹
NOTE			

1. Loading 1 (10 N)

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