

# Braskem PP H 201

Polypropylene Homopolymer

Braskem

Message:

Description:  
H 201 is a high melt flow rate homopolymer with general purpose additive package suitable for injection moulding and fiber extrusion applications. This product exhibits an excellent processability with good melt stability and stiffness/impact strength balance. It also features a low taste/odor.

Applications:  
Injection of electric portables and household appliances; Injected chest drawers and closets; Continuous filaments for carpets, sewing threads and ropes; Staple fibers for rugs and blankets; Nonwovens by thermobonded process.

General Information			
Features	General Purpose		
	Good Impact Resistance		
	Good Melt Strength		
	Good Processability		
	Good Stiffness		
	Homopolymer		
	Low Odor Transfer		
	Non-Toxic		
Uses	Carpet Backing		
	Closures		
	Electrical/Electronic Applications		
	Filaments		
	General Purpose		
	Household Goods		
	Rope		
	Tape		
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 <sup>3</sup>	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	102		ASTM D785

R-Scale	102		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)	10	%	ASTM D638, ISO 527-2
Flexural Modulus			
1% Secant : Injection Molded	1500	MPa	ASTM D790
Injection Molded	1500	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	3.1	kJ/m <sup>2</sup>	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, Injection Molded	107	°C	ASTM D648
0.45 MPa, Unannealed	107	°C	ISO 75-2/B
1.8 MPa, Unannealed, Injection Molded	57.0	°C	ASTM D648
1.8 MPa, Unannealed	57.0	°C	ISO 75-2/A
Vicat Softening Temperature	154	°C	ISO 306/A, ASTM D1525 <sup>1</sup>
NOTE			
1.	Loading 1 (10 N)		

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