

Braskem PP H 117

Polypropylene Homopolymer

Braskem

Message:

Description:
H 117 is a ultra-high melt flow rate homopolymer. This product is suitable to high productivity on thin-walled parts. H 117 features an excellent stiffness, thermal resistance, low warpage parts, easy mould filling and high speed injection moulding.

Applications:
Thin-walled parts; Media Packaging; Housewares.

General Information			
Features	Fast Molding Cycle		
	Good Stiffness		
	Good Thermal Stability		
	High Flow		
	Homopolymer		
	Low Warpage		
Uses	Household Goods		
	Media Packaging		
	Thin-walled Parts		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	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)	45	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale, Injection Molded	105		ASTM D785
R-Scale	102		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	38.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Yield, Injection Molded)	9.0	%	ASTM D638, ISO 527-2
Flexural Modulus			
1% Secant : Injection Molded	1600	MPa	ASTM D790
Injection Molded	1700	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	2.6	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, Injection Molded	123	°C	ASTM D648
0.45 MPa, Unannealed	121	°C	ISO 75-2/B
1.8 MPa, Unannealed, Injection Molded	65.0	°C	ASTM D648
1.8 MPa, Unannealed	65.0	°C	ISO 75-2/A
Vicat Softening Temperature	155	°C	ISO 306/A, ASTM D1525 ¹
NOTE			
1.	Loading 1 (10 N)		

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