

Braskem PP H 118

Polypropylene Homopolymer

Braskem

Message:

H 118 is a high melt flow rate polypropylene resin. Its formulation allows maximum performance in fast-cycle and thin-walled applications. H 118 also features excellent stiffness and thermal strength.

Applications:
Fast-cycle injection; Thin-walled parts;
Processing:
Injection Moulding

General Information			
Features	Good Thermal Stability		
	High Flow		
	High Stiffness		
	Homopolymer		
Uses	Thin-walled Parts		
Agency Ratings	FDA 21 CFR 177.1520		
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	102		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	1500	MPa	ASTM D790
Injection Molded	1650	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C, Injection Molded	25	J/m	ASTM D256
23°C, Injection Molded	2.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, Injection Molded	121	°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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