

Braskem PP CP 202XP

Polypropylene Impact Copolymer

Braskem

Message:

Description:
CP 202XP is a high melt flow rate heterophasic copolymer designed to achieve parts with high stiffness and impact strength resistance, low warpage and excellent surface appearance.

Applications:
Household appliances; High stiffness parts; Compounds

General Information			
Features	Good Surface Finish		
	High Flow		
	High Impact Resistance		
	High Stiffness		
	Impact Copolymer		
	Low Warpage		
Uses	Appliance Components		
	Compounding		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	26	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)	32.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Yield, Injection Molded)	6.0	%	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			
-20°C, Injection Molded	20	J/m	ASTM D256

23°C, Injection Molded	70	J/m	ASTM D256
-20°C, Injection Molded	2.9	kJ/m ²	ISO 180
23°C, Injection Molded	4.6	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, Injection Molded	126	°C	ASTM D648
0.45 MPa, Unannealed	126	°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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