

Braskem PE CP 100

Polypropylene Copolymer

Braskem

Message:

CP 100 is a heterophasic copolymer of propylene and ethylene. This grade has high melt flow rate and very high stiffness. It was developed for parts with complex design and it allows fast cycles injection of thin-walled parts and excellent organoleptic properties.

Applications:

Automotive parts, parts with a complex design and thin-walled parts.

Processing:

Injection Moulding

General Information			
Features	Copolymer		
	Good Organoleptic Properties		
	High Flow		
	High Stiffness		
Uses	Automotive Applications		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	100	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	99		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	27.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	4.0	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	1450	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, Injection Molded	20	J/m	
23°C, Injection Molded	25	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, Injection Molded	115	°C	
1.8 MPa, Unannealed, Injection Molded	64.0	°C	
Vicat Softening Temperature	150	°C	ASTM D1525 ¹
NOTE			

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