

Braskem PP CP 141

Polypropylene Copolymer

Braskem

Message:

Description:
CP 141 is a high melt flow rate heterophasic copolymer specially designed to achieve high productivity on thin-walled parts with very easy mould filling and high speed injection moulding. This product features an excelent impact strenght at low temperatures and high flow.

Applications:
Household; Thin-walled articles.

General Information			
Features	Copolymer		
	High Flow		
	Low Temperature Impact Resistance		
Uses	Household Goods		
	Thin-walled Parts		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	43	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale, Injection Molded	83		ASTM D785
R-Scale	83		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	26.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Yield, Injection Molded)	6.0	%	ASTM D638, ISO 527-2
Flexural Modulus			
1% Secant : Injection Molded	1300	MPa	ASTM D790
Injection Molded	1250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
-20°C, Injection Molded	45	J/m	ASTM D256
23°C, Injection Molded	90	J/m	ASTM D256
-20°C, Injection Molded	4.4	kJ/m ²	ISO 180
23°C, Injection Molded	7.3	kJ/m ²	ISO 180

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, Injection Molded	110	°C	ASTM D648
0.45 MPa, Unannealed	110	°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	149	°C	ISO 306/A, ASTM D1525 ¹
NOTE			
1.	Loading 1 (10 N)		

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