

Braskem PP CP 241

Polypropylene Copolymer

Braskem

Message:

Description:
CP 241 is a high melt flow rate heterophasic copolymer with special reology for general purpose. This product offers excellent processability, easy mould filling and productivity, with good stiffness/impact strength balance.

Applications:
Thin-walled parts; Twisted closures.

General Information			
UL YellowCard	E120161-220428		
Features	Copolymer		
	General Purpose		
	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
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)	20	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale, Injection Molded	68		ASTM D785
R-Scale	68		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	22.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Yield, Injection Molded)	10	%	ASTM D638, ISO 527-2
Flexural Modulus - 1% Secant			
Injection Molded	950	MPa	ASTM D790
Injection Molded	1050	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
-20°C, Injection Molded	50	J/m	ASTM D256

23°C, Injection Molded	300	J/m	ASTM D256
-20°C, Injection Molded	5.3	kJ/m ²	ISO 180
23°C, Injection Molded	14	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, Injection Molded	85.0	°C	ASTM D648
0.45 MPa, Unannealed	85.0	°C	ISO 75-2/B
1.8 MPa, Unannealed, Injection Molded	53.0	°C	ASTM D648
1.8 MPa, Unannealed	53.0	°C	ISO 75-2/A
Vicat Softening Temperature	145	°C	ISO 306/A, ASTM D1525 ¹
NOTE			

1. Loading 1 (10 N)

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