

Braskem PP CP 284 R

Polypropylene Impact Copolymer

Braskem

Message:

Description:
CP 284R is an heterophasic copolymer designed for injection molding of pails and containers with excellent stiffness/impact strenght balance. This resin also exhibits excellent produtivity and processability.

Applications:
Good stiffness parts; Household; Industrial pails.

General Information			
Features	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	Impact Copolymer		
	Low Odor Transfer		
	Low Taste Transfer		
	Non-Toxic		
Uses	Containers		
	Household Goods		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.895	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale, Injection Molded	62		ASTM D785
R-Scale	62		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)	5.0	%	ASTM D638, ISO 527-2
Flexural Modulus			
1% Secant : Injection Molded	1100	MPa	ASTM D790
Injection Molded	1050	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			

-20°C, Injection Molded	70	J/m	ASTM D256
23°C, Injection Molded	No Break		ASTM D256
-20°C, Injection Molded	6.5	kJ/m ²	ISO 180
23°C, Injection Molded	45	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, Injection Molded	106	°C	ASTM D648
0.45 MPa, Unannealed	106	°C	ISO 75-2/B
1.8 MPa, Unannealed, Injection Molded	56.0	°C	ASTM D648
1.8 MPa, Unannealed	56.0	°C	ISO 75-2/A
Vicat Softening Temperature	146	°C	ISO 306/A, ASTM D1525 ¹
NOTE			

1. Loading 1 (10 N)

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