

Braskem PP CP 270R

Polypropylene Impact Copolymer

Braskem

Message:

CP 270R is an ethene and propene heterophasic copolymer specially designed for injection molding of pails and containers with excellent stiffness/impact strength balance. This resin also exhibits excellent productivity and processability.

Applications:

Injection with good mechanical strength; Household; Industrial Pails.

Processing:

Injection Moulding

General Information			
Features	Good Processability		
	High Impact Resistance		
	High Stiffness		
	Impact Copolymer		
Uses	Containers		
	Household Goods		
	Pails		
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	20	g/10 min	ASTM D1238
230°C/2.16 kg	21	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (Injection Molded)	65		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	26.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	6.0	%	ASTM D638
Flexural Modulus - 1% Secant			
Injection Molded	1200	MPa	ASTM D790
Injection Molded	1300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
-20°C, Injection Molded	55	J/m	ASTM D256
23°C, Injection Molded	250	J/m	ASTM D256
-20°C, Injection Molded	6.0	kJ/m ²	ISO 180

23°C, Injection Molded	12	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	108	°C	ASTM D648

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