

Braskem PP CP 195

Polypropylene Impact Copolymer

Braskem

Message:

Description:
CP 195 is a very high melt flow rate heterophasic copolymer developed for high speed injection moulding machines and high productivity thin-walled injection moulded parts. The product features high impact strength even at sub-zero temperatures and it is suitable for food contact applications due to its excellent organoleptic properties.

Applications:
Household; Low temperature packing; Frozen desserts packing; Packages with excellent organoleptic properties.

General Information			
Features	Food Contact Acceptable		
	Good Organoleptic Properties		
	High Flow		
	High Impact Resistance		
	Impact Copolymer		
	Low Temperature Impact Resistance		
Uses	Food Packaging		
	Low Temperature Applications		
	Thin-walled Parts		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.895	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	60	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale, Injection Molded	39		ASTM D785
R-Scale	39		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	19.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Yield, Injection Molded)	5.0	%	ASTM D638, ISO 527-2
Flexural Modulus - 1% Secant			
Injection Molded	850	MPa	ASTM D790
Injection Molded	1000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact			
-20°C, Injection Molded	60	J/m	ASTM D256
23°C, Injection Molded	160	J/m	ASTM D256
-20°C, Injection Molded	5.5	kJ/m ²	ISO 180
23°C, Injection Molded	8.2	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, Injection Molded	93.0	°C	ASTM D648
0.45 MPa, Unannealed	93.0	°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	137	°C	ISO 306/A, ASTM D1525 ¹
NOTE			

1. Loading 1 (10 N)

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