

Braskem PE CP 191XP

Polypropylene Copolymer

Braskem

Message:

CP 191XP is an ultra high melt flow rate heterophasic copolymer designed for the latest equipment, this resin enables high productivity in fast cycle injection of thin-walled parts maintaining high rigidity and impact resistance at low temperatures and more robust exchange of pigments.

Applications:

Household appliances; Packages for frozen desserts; Compounds.

Processing:

Injection Moulding

General Information			
Features	Copolymer		
	High Flow		
	High Rigidity		
	Low Temperature Impact Resistance		
Uses	Compounding		
	Food Packaging		
	Household Goods		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.895	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	82	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	55		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	20.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	6.0	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	1100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, Injection Molded	65	J/m	
23°C, Injection Molded	120	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	105	°C	ASTM D648

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