

Braskem PP EP 200K

Polypropylene Impact Copolymer

Braskem

Message:

EP 200K is a low fluidity heterophasic copolymer with good impact properties, even at low temperatures.

Applications:

Injection Molding of thick parts, containers, closures, battery cases. SPC in general.

Processing:

Injection Molding

SPC

General Information			
Features	Good Impact Resistance		
	Impact Copolymer		
	Low Flow		
	Low Temperature Impact Resistance		
Uses	Battery Cases		
	Closures		
	Containers		
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, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.5	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale, Injection Molded	68		ASTM D785
R-Scale	53		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield, Injection Molded	23.0	MPa	ASTM D638
Yield, Injection Molded	21.0	MPa	ISO 527-2
Tensile Elongation			
Yield, Injection Molded	7.0	%	ASTM D638
Yield, Injection Molded	11	%	ISO 527-2
Flexural Modulus			
1% Secant : Injection Molded	1100	MPa	ASTM D790
Injection Molded	900	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	No Break		ASTM D256
-20°C, Injection Molded	5.9	kJ/m ²	ISO 180
23°C, Injection Molded	46	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, Injection Molded	86.0	°C	ASTM D648
0.45 MPa, Unannealed	80.0	°C	ISO 75-2/B

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