

KOPELEN J-320C

PP BLOCK COPOLYMER

General Information

Description

J-320C is impact block copolymer with ethylene content as co-monomer. This grade is designed to be processed in conventional Injection molding equipment. J-320C shows good impact resistance at low temperature and has also high stiffness. It has broad range of property, and is used from industrial supplies to cap & closure base resin.

Applications

- ◆ Cap and Closure
- ◆ Container, Toys etc

Physical Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	4	g/10min		
Density	ASTM D792	0.90	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	290	kgf/cm ²	28	MPa
Tensile Strain (Break)	ASTM D638	>100	%	>100	%
Flexural Modulus	ASTM D790	15,000	kgf/cm ²	1,470	MPa
Impact					
Notched Izod Impact Strength (23 °C)	ASTM D256	8.0	kgf-cm/cm	79	J/m
Notched Izod Impact Strength (-10 °C)	ASTM D256	3.0	kgf-cm/cm	29	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm ²)	ASTM D648	120	°C		
Additional Properties					
Flammability	UL94	HB			

NOTE

ISO 9001, 14001, /TS 16949

¹ Physical Properties : these are not to be construed as specifications

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Physical Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index	ISO 1133	4	g/10min		
Density	ISO 1183	0.90	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ISO 527-1	280	kgf/cm ²	27	MPa
Tensile Strain (Break)	ISO 527-1	>100	%	>100	%
Flexural Modulus	ISO 178	13,000	kgf/cm ²	1,270	MPa
Impact					
Notched Izod Impact Strength (23 °C)	ISO 180	7	kgf-cm/cm	69	J/m
Notched Izod Impact Strength (-10 °C)	ISO 180	2.5	kgf-cm/cm	25	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm ²)	ISO 75-1	100	°C		
Additional Properties					
Flammability	UL94	-			

NOTE

ISO 9001, 14001, /TS 16949

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