

KOPELEN J-330S

PP BLOCK COPOLYMER

General Information

Description

J-330S is impact block copolymer which has ethylene-propylene rubber inside homo polypropylene.

This grade can be processed by extrusion and thermoforming. J-330S shows good impact resistance at low temperature and has also high strength.

It has good vacuum molding property, suitable for the production of vacuum molding goods. J-330S is mainly applied to straw for drinking.

Applications

- ◆ Straw for drinking
- ◆ Vacuum forming use
- ◆ Blow molding goods

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	280	kgf/cm ²	27	MPa
Tensile Strain (Break)	ASTM D638	>100	%	>100	%
Flexural Modulus	ASTM D790	13,000	kgf/cm ²	1,270	MPa
Impact					
Notched Izod Impact Strength (23℃)	ASTM D256	9.0	kgf-cm/cm	89	J/m
Notched Izod Impact Strength (-10℃)	ASTM D256	3.0	kgf-cm/cm	29	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm ²)	ASTM D648	105	℃		
Additional Property					
Flammability	UL94	HB			

NOTE

ISO 9001, 14001, /TS 16949

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

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Applications

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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	270	kgf/cm ²	26	MPa
Tensile Strain (Break)	ISO 527-1	>100	%	>100	%
Flexural Modulus	ISO 178	11,000	kgf/cm ²	1,080	MPa
Impact					
Notched Izod Impact Strength (23℃)	ISO 180	8	kgf-cm/cm	78	J/m
Notched Izod Impact Strength (-10℃)	ISO 180	2.5	kgf-cm/cm	25	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm ²)	ISO 75-1	85	℃		
Additional Property					
Flammability	UL94	HB			

NOTE

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