

SB-530

PP RANDOM COPOLYMER

General Information

Description

SB-530 is random copolymer polypropylene for extrusion application with good transparency and good gloss for transparent sheet. This grade can be processed by sheet extrusion. SB-530 offers high clarity, flexible stiffness, high heat distortion temperature and chemical resistance. This grade is suitable for food contact.

Applications

- ◆ Transparent packaging sheet
- ◆ Transparent stationary sheet

Physical Properties¹

Physical	Test Method	Nominal Value			
Melt Flow Index	ASTM D1238	4.0	g/10min		
Density	ASTM D792	0.90	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	300	kgf/cm ²	29	MPa
Tensile Strain (Break)	ASTM D638	>400	%	>400	%
Flexural Modulus	ASTM D790	13,000	kgf/cm ²	1,270	MPa
Impact					
Notched Izod Impact Strength (23℃)	ASTM D256	4.5	kgf-cm/cm	44	J/m
Thermal					
Heat Deflection Temperature(4.6kgf/cm ²)	ASTM D648	100	℃		
Additional Property					
Haze	ASTM D1004	20	%		

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 Value			
Melt Flow Index	ISO 1183	4.0	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	>300	%	>300	%
Flexural Modulus	ISO 178	10,000	kgf/cm ²	980	MPa
Impact					
Notched Izod Impact Strength (23℃)	ISO 180	3.0	kgf-cm/cm	29	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm ²)	ISO 75-1	85	℃		
Additional Property					
Haze	ASTMD1004	20	%		

NOTE

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