

SB-550A

PP RANDOM TERPOLYMER

General Information

Description

SB-550A is random terpolymer polypropylene for injection blow molding with good transparency and good gloss. This product is designed to be processed by Injection or injection stretch blow molding application. SB-550A offers very high clarity, flexible stiffness and chemical resistance.

Applications

- ◆Cosmetic bottle
- ◆Pill Bottle

Physical Properties¹

Physical	Test Method	Nominal Value			
Melt Flow Index	ASTM D1238	8.0	g/10min		
Density	ASTM D792	0.90	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	250	kgf/cm ²	24	MPa
Tensile Strain (Break)	ASTM D638	>500	%	>500	%
Flexural Modulus	ASTM D790	8,500	kgf/cm ²	833	MPa
Impact					
Notched Izod Impact Strength (23℃)	ASTM D256	15	kgf·cm/cm	146	J/m
Thermal					
Heat Deflection Temperature(4.6kgf/cm ²)	ASTM D648	90	℃		
Additional Property					
Haze	ASTM D1004	20	%		

NOTE

ISO 9001, 14001, ITS 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 1133	8.0	g/10min		
Density	ISO 1183	0.90	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ISO 527-1	220	kgf/cm ²	21	MPa
Tensile Strain (Break)	ISO 527-1	>400	%	>400	%
Flexural Modulus	ISO 178	7,000	kgf/cm ²	690	MPa
Notched Izod Impact Strength (23℃)	ISO 180	8.0	kgf-cm/cm	79	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm ²)	ISO 75-1	80	℃		
Additional Property					
Haze	ASTM D1004	20	%		

NOTE

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