LOTTE CHEMICAL

RANPELEN J-560S

PP RANDOM COPOLYMER

General Information

Description

J-560S is a nucleated random copolymer for injection molding applications.
This grade is designed to be processed in conventional injection molding equipment and offers super excellent transparency, good stiffness/impact strength balance, high gloss, high hinge property and low smell.

Applications

- Cosmetics container & cap, Food container, Transparency case, Stationery
- Disposable syringe, CD/DVD case

Physical Properties[1]

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	18	g/10min		
Density	ASTM D792	0.9	g/cm^3		
Mechanical					
Tensile Stress (Yield)	ASTM D638	300	kgf/cm^2	29	MPa
Tensile Strain (Break)	ASTM D638	>100	%	>100	%
Flexural Modulus	ASTM D790	12,000	kgf/cm^2	1,180	MPa
Rockwell Hardness	ASTM D785	95	R		
Impact					
Notched Izod Impact Strength (23℃)	ASTM D256	5.5	kgf·cm/cm	54	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	95	℃		
Additional Properties					
Haze	ASTM D1003	20	%		

NOTE

ISO 9001, 14001, /TS 16949

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- **Cosmetics container & cap, Food container, Transparency case, Stationery**
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Physical Properties[1]

Physical	Test Method	Nominal Values			
Melt Flow Index	ISO 1133	18	g/10min		
Density	ISO 1183	0.9	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	9,900	kgf/cm^2	970	MPa
Impact					
Notched Izod Impact Strength (23℃)	ISO 180	5.0	kgf·cm/cm	49	J/m
Notched Izod Impact Strength (-10℃)	ISO 180	2.5	kgf·cm/cm	24	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm^2)	ISO 75-1	85	℃		
Additional Properties					
Haze		20	%		

NOTE

ISO 9001, 14001, /TS 16949