

RANPELEN JT-550

PP RANDOM COPOLYMER

General Information

Description

JT-550 is a high performance 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. JT-550 is a 'Phthalate-Free' product.

Applications

- ◆ Cosmetics container & cap, Food container, Transparency case and Baby Bottles
- ◆ Disposable syringe, CD/DVD case
- ◆ Replacement of Polycarbonate

Physical Properties ¹					
Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	12	g/10min		
Density	ASTM D792	0.9	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	310	kgf/cm ²	30	MPa
Tensile Strain (Break)	ASTM D638	>400	%	>400	%
Flexural Modulus	ASTM D790	13,000	kgf/cm ²	1,280	MPa
Rockwell Hardness	ASTM D785	95	R		
Impact					
Notched Izod Impact Strength (23℃)	ASTM D256	5.7	kgf·cm/cm	56	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm ²)	ASTM D648	95	℃		
Additional Properties					
Haze	ASTM D1003	<15	%		

NOTE

ISO 9001, 14001, /TS 16949

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