

LOTTE CHEMICAL

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RANPELEN J-590K

PP RANDOM COPOLYMER

General Information

Description

J-590K 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 mechanical balance, high gloss, lower cycle time, super high flow and low smell. J-590K is a 'Phthalate-Free' product.

Applications

- ◆ Thin-wall food container, Stationery, Disposable syringe, CD/DVD case
- ◆ High transparency TWIM parts

Physical Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	44	g/10min		
Density	ASTM D792	0.9	g/cm³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	280	kgf/cm²	27	MPa
Tensile Strain (Break)	ASTM D638	>100	%	>100	%
Flexural Modulus	ASTM D790	11,500	kgf/cm²	1,130	MPa
Rockwell Hardness	ASTM D785	95	R		
Impact					
Notched Izod Impact Strength (23℃)	ASTM D256	4.0	kgf-cm/cm	39	J/m
Notched Izod Impact Strength (-10℃)	ASTM D256	2.5	kgf-cm/cm	24	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm²)	ASTM D648	95	℃		
Additional Properties					
Haze	ASTM D1003	20	%		

NOTE

ISO 9001, 14001, ITS 16949

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

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