

LOTTE CHEMICAL

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RANPELEN J-595K

PP RANDOM COPOLYMER

General Information

Description

J-595K 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 and super high flow. J-595K is a 'Phthalate-Free' product.

Applications

- ◆ Thin-wall food container, home appliances
- ◆ High transparency TWIM parts

Physical Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	70	g/10min		
Density	ASTM D792	0.9	g/cm³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	270	kgf/cm²	26	MPa
Tensile Strain (Break)	ASTM D638	>200	%	>200	%
Flexural Modulus	ASTM D790	11,000	kgf/cm²	1,080	MPa
Rockwell Hardness	ASTM D785	90	R		
Impact					
Notched Izod Impact Strength (23℃)	ASTM D256	3.3	kgf-cm/cm	32	J/m
Notched Izod Impact Strength (-10℃)	ASTM D256	2.3	kgf-cm/cm	22	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm²)	ASTM D648	92	℃		
Additional Properties					
Haze (2mmT)	ASTM D1003	20	%		

NOTE

ISO 9001, 14001, ITS 16949

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

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