

RANPELEN J-580S

Polypropylene Random Copolymer
Lotte Chemical Corporation

Message:

J-580S is a nucleated random copolymer for injection molding applications. This grade is designed to be processed in conventional injection molding equipment and offers high transparency, good mechanical balance, high gloss, lower cycle time, super high flow and low smell.

General Information			
Additive	Nucleating Agent		
Features	Fast Molding Cycle		
	High Clarity		
	High Flow		
	High Gloss		
	Low to No Odor		
	Nucleated		
	Random Copolymer		
Uses	Food Containers		
	Media Packaging		
	Stationary Supplies		
	Thin-walled Containers		
	Thin-walled Parts		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	27.5	MPa	ASTM D638
Yield	24.5	MPa	ISO 527-2
Tensile Elongation (Break)	> 100	%	ASTM D638, ISO 527-2
Flexural Modulus			
--	1130	MPa	ASTM D790
--	932	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			

-10°C	20	J/m	ISO 180
-10°C	25	J/m	ASTM D256
23°C	34	J/m	ASTM D256
23°C	29	J/m	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	95.0	°C	ASTM D648
0.45 MPa, Unannealed	85.0	°C	ISO 75-2/B
Optical	Nominal Value	Unit	Test Method
Haze	25	%	ASTM D1003

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