

# RANPELEN J-550N

Polypropylene Random Copolymer  
Lotte Chemical Corporation

Message:

J-550N 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 stiffness/impact strength balance, high gloss, high hinge property and low smell.

General Information			
Additive	Nucleating Agent		
Features	Good Impact Resistance		
	Good Stiffness		
	High Clarity		
	High Gloss		
	Low Extractables		
	Low to No Odor		
	Nucleated		
	Random Copolymer		
Uses	Caps		
	Containers		
	Food Containers		
	Stationary Supplies		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	33.3	MPa	ASTM D638
Tensile Elongation (Break)	> 100	%	ASTM D638
Flexural Modulus	1270	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-10°C	29	J/m	
23°C	49	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	105	°C	ASTM D648

Optical	Nominal Value	Unit	Test Method
Haze	27	%	ASTM D1003

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