

# POLIMAXX 1140NN

Polypropylene Homopolymer  
IRPC Public Company Limited

Message:

1140NN is a Polypropylene Homo polymer resin for injection molding with high transparent and good stiffness characteristic. It is suitable for the production of general part. Typical applications are house-ware, food container. It also meets the F.D.A. requirement in the code of federal regulations in 21 CFR 177.1520 for food contact.

General Information			
Features	Food Contact Acceptable		
	Good Stiffness		
	High Clarity		
	Homopolymer		
Uses	Food Containers		
	Household Goods		
Agency Ratings		FDA 21 CFR 177.1520	
RoHS Compliance		RoHS Compliant	
Processing Method		Injection Molding	
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	33.0	MPa	ASTM D638
Tensile Elongation (Yield)	28	%	ASTM D638
Flexural Modulus - 1% Secant	1500	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m²	DIN 53453
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	105	°C	ASTM D648
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 240	°C	

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