

POLIMAXX 3140NN

Polypropylene Random Copolymer
IRPC Public Company Limited

Message:

3140NN is a Random Copolymer Polypropylene for injection molding and injection stretch blow molding process. It is suitable for baby bottle and high clarity microwave 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
	High Clarity
	Random Copolymer
Uses	Bottles
	Containers
Agency Ratings	FDA 21 CFR 177.1520
RoHS Compliance	RoHS Compliant
Processing Method	Injection Molding
	Injection Stretch Blow 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)	36.0	MPa	ASTM D638
Tensile Elongation (Yield)	37	%	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	180 to 240	°C	

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