

POLIMAXX 2100N

Polypropylene Impact Copolymer

IRPC Public Company Limited

Message:

2100N is a Polypropylene Block Copolymer resin for injection molding process with medium flow and high stiffness. It is suitable for production of general parts, like household, electrical parts, auto-parts and etc. 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	Block Copolymer		
	Food Contact Acceptable		
	High Stiffness		
	Medium Flow		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	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)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	30.0	MPa	ASTM D638
Tensile Elongation (Yield)	21	%	ASTM D638
Flexural Modulus - 1% Secant	1350	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.2	kJ/m²	DIN 53453
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	100	°C	ASTM D648
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 240	°C	

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