

POLIMAXX 2300SC

Polypropylene Impact Copolymer

IRPC Public Company Limited

Message:

2300SC is a Polypropylene Block Copolymer resin for injection molding process with high flow and good impact resistance. It is suitable for the applications that need high impact strength, such as auto parts, electrical parts, furniture and 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			
UL YellowCard	E132283-222111		
Features	Block Copolymer		
	Food Contact Acceptable		
	High Flow		
	High Impact Resistance		
Uses	Automotive Applications		
	Containers		
	Electrical/Electronic Applications		
	Furniture		
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)	30	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	98		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.0	MPa	ASTM D638
Tensile Elongation (Yield)	17	%	ASTM D638
Flexural Modulus - 1% Secant	1300	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.5	kJ/m²	DIN 53453
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	98.0	°C	ASTM D648
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 240	°C	

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