

# POLIMAXX 2300NCA

Polypropylene Impact Copolymer

IRPC Public Company Limited

## Message:

2300NCA is a Polypropylene Block Copolymer resin for injection molding with medium flow high dimensional stability and good impact resistance characteristic. It is suitable for the production of general part with need high impact strength. Typical applications are auto parts such as battery case, electrical appliances. 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	E132283-101593908		
Features	Block Copolymer		
	Food Contact Acceptable		
	Good Dimensional Stability		
	High Impact Resistance		
	Medium Flow		
Uses	Appliance Components		
	Automotive Applications		
	Battery Cases		
	Electrical/Electronic Applications		
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)	10	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)	30.0	MPa	ASTM D638
Tensile Elongation (Yield)	17	%	ASTM D638
Flexural Modulus - 1% Secant	1450	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (-20°C)	7.5	kJ/m <sup>2</sup>	DIN 53453
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	120	°C	ASTM D648
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 240	°C	

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