

POLIMAXX 2311LCXGA4

Polypropylene Impact Copolymer

IRPC Public Company Limited

Message:

2311LCXGA4 is a PP Block co-polymer with 20% Glass fiber filler for injection molding process, features medium melt flow, high flexural modulus and high heat resistance. It is suitable for auto parts and electrical appliances.

General Information			
UL YellowCard	E132283-222112		
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Block Copolymer		
	High Heat Resistance		
	High Stiffness		
	Medium Flow		
Uses	Appliance Components		
	Automotive Applications		
	Electrical/Electronic Applications		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 584 mm)	97		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	49.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.0	%	ASTM D638
Flexural Modulus (23°C)	4610	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	58.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area) (23°C)	6.47	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	158	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 85.0	°C	
Drying Time	2.0 to 3.0	hr	
Processing (Melt) Temp	190 to 240	°C	

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