

POLIMAXX 1111NXBA4

Polypropylene Homopolymer
IRPC Public Company Limited

Message:

1111NXA8 is a PP Homopolymer with 20% Barium Sulfate filler for injection molding process, featuring medium melt flow, high flexural modulus and high heat resistance. It is suitable for electrical appliances.

General Information			
Filler / Reinforcement	Barium Sulfate,20% Filler by Weight		
Features	High Heat Resistance		
	High Stiffness		
	Homopolymer		
	Medium Flow		
Uses	Appliance Components		
	Electrical/Electronic Applications		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 584 mm)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	33.8	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	30	%	ASTM D638
Flexural Modulus (23°C)	1960	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	43.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area) (23°C)	3.04	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	120	°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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