

POLIMAXX 1196NN

Polypropylene Homopolymer
IRPC Public Company Limited

Message:

1196NN is a PP Homopolymer with Flame-retardant additive for injection molding process, features medium melt flow, high flexural modulus and high heat resistance. It is suitable for electrical appliances.

General Information			
UL YellowCard	E132283-222104		
Additive	Flame Retardant		
Features	Flame Retardant		
	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	1.03	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 584 mm)	101		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	30.4	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	21	%	ASTM D638
Flexural Modulus (23°C)	2160	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	41.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area) (23°C)	4.41	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	130	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	V-2		UL 94
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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