POLIMAXX 1111NXGA6

IRPC Public Company Limited - *Polypropylene Homopolymer*

General Information

Product Description

1111NXGA6 is a PP Homopolymer with 30% Glass fiber filler for injection molding process. It features medium melt flow, high flexural modulus and high heat resistance. It is suitable for auto parts and electrical appliances.

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight		
Features	• High Heat Resistance • High Stiffness	• Homopolymer • Medium Flow	
Uses	• Appliance Components	• Electrical/Electronic Applications	
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.11		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield, 73°F)	9670	psi	ASTM D638
Tensile Elongation (Break, 73°F)	2.5	%	ASTM D638
Flexural Modulus (73°F)	1.21E+6	psi	ASTM D790
Flexural Strength (Yield, 73°F)	11900	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (Area) (73°F)	2.57	ft·lb/in²	ASTM D256
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale, 73°F)	106		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	322	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176 to 185	°F
Drying Time	2.0 to 3.0	hr
Processing (Melt) Temp	374 to 464	°F

Notes

[1] Typical properties: these are not to be construed as specifications.