

**POLIMAXX 1111NXTA4**

 IRPC Public Company Limited - *Polypropylene Homopolymer*
**General Information**
**Product Description**

1111NXTA4 is a PP Homopolymer with 20% talcum filler for injection molding process, 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	• Talc, 20% Filler by Weight		
Features	• High Heat Resistance • High Stiffness	• Homopolymer • Medium Flow	
Uses	• Appliance Components	• Electrical/Electronic Applications	
Processing Method	• Injection Molding		

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.06		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	5260	psi	ASTM D638
Tensile Elongation (Break, 73°F)	11	%	ASTM D638
Flexural Modulus (73°F)	526000	psi	ASTM D790
Flexural Strength (Yield, 73°F)	7750	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area) (73°F)	1.40	ft·lb/in <sup>2</sup>	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)	288	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94

**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

