POLIMAXX 1111NXTA8

Polypropylene Homopolymer

IRPC Public Company Limited

Message:

1111NXTA8 is a PP Homopolymer with 40% 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 Information			
Filler / Reinforcement	Talc,40% 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	1.26	g/cm^3	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	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)	35.8	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	4.0	%	ASTM D638
Flexural Modulus (23°C)	7350	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	54.9	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (Area) (23°C)	2.16	kJ/m^2	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	147	°C	ASTM D648
Flammability	**Nominal Value**		**Test Method**
Flame Rating (1.50 mm)	HB		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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