Manufacturer website: https://www.irpc.co.th/en/

POLIMAXX

1111NXGA6

Polypropylene Compound

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.

Physical Properties:	Method	Unit	Value
Melt Flow Index (2.16 kg/230°C)	ASTM D1238	g/10min.	4.0
Density	ASTM D792	g/cm^3	1.11
Izod Notched Impact (23°C)	ASTM D256	$Kg\text{-}cm/cm^2$	5.5
Tensile Strength at Yield (23°C)	ASTM D638	kg/cm^2	680
Elongation at Break (23°C)	ASTM D638	%	2.5
Flexural Strength at Yield (23°C)	ASTM D790	kg/cm^2	840
Flexural Modulus (23°C)	ASTM D790	$\times 10^4 kg/cm^2$	8.5
Rockwell Hardness (23°C)	ASTM D785	R-Scale	106
Heat Distortion Temperature (4.6 kg/cm²)	ASTM D648	°C	161

Processing Technique

Drying Temperature: 80-85°C, 2-3 hrs

Processing Temperature: 190-240°C

However, the actual processing conditions depend on mold design, power of machine, screw configurations and other environments.

Remark: The values presented on the above are typical laboratory average, not to be construed as specifications and may vary within moderate ranges. The applicability or the accuracy of this information or the suitable of our products cannot be guaranteed because the conditions of use on the part or our uses are beyond our control.

Product Data sheet

REV. 20110701

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