FORMPOLY® N66GF33T (33% Glass Fibre Reinforced Nylon66)

GENERAL

FPL offers a range of Nylon66 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including FORMPOLY® N66GF33T, which is heat stabilized Glass Fibre Reinforced Nylon 66 with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY® N66GF33T

Easy flow and Fast solidification Heat stabilized and toughened High mechanical properties Excellent dimensional stability Low Moisture absorption

PRE-DRYING

FPL grades can normally be taken for direct processing. However, in case the material is exposed to atmosphere, it is advisable to predry the material at 100°C for 2 to 3 hours for good surface finish.

PACKING

FORMPOLY® N66GF33T is supplied in 25 Kg dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Radiator fans Radiator shroud Instrument Housings Switch assembly Housings

Property	ASTM	Unit	Value
	Method		
Tensile Stress	D638	MPa	155
Elongation at Break	D638	%	4
Flexural Stress	D790	MPa	230
Flexural Modulus	D790	MPa	7500
Izod Impact Strength	D256	kg.cm/ cm	12
Notched			
Heat Deflection Temp			
- at 4.6 kg/cm² load	D648	°C	245
- at 18.5 kg/cm² load	D648	°C	240
Specific Gravity	D792	_	1.38
Shrinkage	D955	%	0.15-0.3
Volume Resistivity	D-257	Ohms-cm	10 ¹⁵
Surface Resistivity	D-257	Ohms	1O ¹⁴

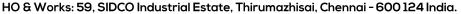
Conditioned test specimen. All results are measured under Dry-as-moulded natural test specimen Coloured grades would record slightly lower mechanical properties as permitted by ASTM D-4066

The information present here is for general guidance. It is given in good faith but no warrant is attached

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ISO 9001:2015, IATF 16949: 2009 & ISO 14001: 2015 Certified Firm

