

## FORMPOLY N66MF25FR

### (25%Mineral Reinforced Nylon66-Flame retardant)

#### GENERAL

FPL offers a range of Nylon 66 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY N66MF25FR**, which is heat stabilised Mineral reinforced Nylon66 with flame retardant.

#### **FORMPOLY N66MF25FR**

Meeting UL-94 V0 flammability rating  
 Warpage free molding.  
 Easy processability  
 Good surface finish and Gloss  
 Good mechanical and Electrical properties  
 High ESCR

#### PRE-DRYING

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

#### PACKING

**FORMPOLY N66MF25FR** is supplied in 25 Kg dry, ready to mould, in sealed bags to prevent the uptake of moisture.

#### APPLICATION

Electrical Switches  
 MCB housing  
 Relay Base  
 Connectors  
 PCB frame

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa.	90
Elongation at Break	D638	%	3
Flexural Stress	D790	MPa.	180
Flexural Modulus	D790	MPa.	8000
Izod Impact Strength Notched	D256	Kg Cm/ Cm	7
Heat Deflection Temp			
- at 4.6 Kg / Cm <sup>2</sup> load	D646	'C	220
- at 18.5 Kg / Cm <sup>2</sup> load			200
Specific Gravity	D792	-	1.61
Shrinkage	D955	%	0.2-0.30
Volume Resistivity	D-257	Ohms-cm	10 <sup>15</sup>
Surface Resistivity	D-257	Ohms	10 <sup>14</sup>
Flammability	UL-94	V0	V0

Conditioned test specimen. All results are measured under Dry-as-moulded natural test specimen  
 Pigmented color would record 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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