

FORMPOLY N6GP35FR

(Unfilled NYLON6- Meets UL-94V0)

GENERAL

FPL offers a range of Nylon 6 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY N6GP35FR** , which is unfilled flame retardant grade meeting UL-94 V0 requirements.

FORMPOLY N6GP35FR

UV Stabilized.
 Meeting UL-94 V0 rating in 1.6mm thickness
 Easy processability
 Good surface finish and Gloss
 Good mechanical and Electrical properties
 Also available with Anti termite properties for sheathing .

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 N6GP35FR is supplied in 25 Kg dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Electrical Switches
 MCB housing
 Cable sheathing
 Connectors
 PCB frame

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa.	80
Elongation at Break	D638	%	20
Flexural Stress	D790	MPa.	130
Flexural Modulus	D790	MPa.	2800
Izod Impact Strength Notched	D256	Kg Cm/ Cm	4
Heat Deflection Temp			
- at 4.6 Kg / Cm2 load	D646	'C	135
- at 18.5 Kg / Cm2 load			65
Specific Gravity	D792	-	1.16
Shrinkage	D955	%	0.6-1.2
Flammability(1.6mm)	UL-94	-	V0

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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