

FORMPOLY® N6ST60

(Unfilled Nylon 6-Very High Impact)

GENERAL

FPL offers a wide range of Nylon6 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N6ST60** which is lubricated Nylon 6 with very high impact and moderate mechanical properties.

FORMPOLY® N6ST60

- Higher Impact resistance
- Reduced sensitivity to notch
- Good finish and Gloss
- Easy flow and fast solidification
- High elongation
- Low density

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® N6ST60 is supplied in 25 Kgs. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

- Handle bar
- Rifle butt
- Terminals/Connectors
- Cable sheathing
- Helmet

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	42
Flexural Stress	D790	MPa	63
Flexural Modulus	D790	MPa	1500
Izod Impact Strength Notched	D256	kg cm/cm	77
Heat Deflection Temp - at 4.5 kg/cm ² load	D648	°C	100
Specific Gravity	D792	-	1.06
Shrinkage	D955	%	1.5-1.8
Volume Resistivity	D-257	Ohms-cm	10 ¹⁵
Surface Resistivity	D-257	Ohms	10 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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