

FORMPOLY® N6ST70

(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® N6ST70** which is lubricated Nylon 6 with very high impact and moderate mechanical properties.

FORMPOLY® N6ST70

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® N6ST70 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	40
Flexural Stress	D790	MPa	61
Flexural Modulus	D790	MPa	1300
Izod Impact Strength Notched	D256	kg cm/cm	80
Heat Deflection Temp - at 4.5 kg/cm ² load	D648	°C	100
Specific Gravity	D792	-	1.04
Shrinkage	D955	%	1.5-1.8
Volume Resistivity	D257	Ohms-cm	10 ¹⁵
Surface Resistivity	D257	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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