

FORMPOLY® N6ST35

(Unfilled Nylon 6-High Impact)

GENERAL

FPL offers a wide range of Nylon6 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N6ST35** which is lubricated Nylon 6 with high impact and moderate mechanical properties.

FORMPOLY® N6ST35

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® N6ST35 is supplied in 25 Kgs. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Handle bar
Sprocket housing
Terminals/Connectors
Brake lever
Automotive inner parts

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	55
Elongation at Break	D638	%	100
Flexural Stress	D790	MPa	85
Flexural Modulus	D790	MPa	1800
Izod Impact Strength Notched	D256	kg cm/cm	20
Heat Deflection Temp - at 4.5 kg/cm ² load	D648	°C	130
- at 18.5 Kg/cm ² load	D648	°C	60
Specific Gravity	D792	-	1.08
Shrinkage	D955	%	1.5-2.0
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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