

# FORMPOLY® N66ST65

## (Unfilled Nylon 66- High Stiffness)

### GENERAL

FPL offers a wide range of Nylon66 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N66ST65** which is easy flow and low melt viscosity and high impact strength.

### FORMPOLY® N66ST65

High Stiffness.

Good Impact Strength

Available in variable colours

Easy flow fast solidification

Fine crystalline structure

### 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® N66ST65** is supplied in 25 Kgs. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

### APPLICATION

Locknut fasteners

Motor insulation parts

Terminals/Connectors

Electrical Knobs

Fuse Box

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	50
Elongation at Break	D638	%	45
Flexural Stress	D790	MPa	75
Flexural Modulus	D790	MPa	1765
Izod Impact Strength	D256	kg. cm/cm	30
Notched			
Heat Deflection Temp - at 4.5 kg/cm <sup>2</sup> load	D648	°C	160
Specific Gravity	D792	-	1.08-1.12
Shrinkage	D955	%	1.5-1.8
Volume Resistivity	D257	Ohms-cm	10 <sup>15</sup>
Surface Resistivity	D257	Ohms	10 <sup>14</sup>

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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