

## **FORMPOLY N6MG32**

### **(10%Glass Fibre +Mineral Reinforced Nylon6)**

#### **GENERAL**

**FPL** offers a range of Nylon6 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY N6MG32**, which is heat stabilized, lubricated Glass Fibre Reinforced Nylon 6 with excellent mechanical / thermal properties and reduced shrinkage.

#### **FORMPOLY N6GM32**

Easy flow and Fast solidification  
Warpage free molding  
High mechanical properties  
Excellent dimensional stability  
Low water absorption  
Excellent finish with Gloss  
Good for Online painting

#### **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 N6GM32** is supplied in 25 Kg. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

#### **APPLICATION**

Wheel cover  
Automobile inner parts  
Pillion handle  
Housings  
Online painting parts

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa.	110
Elongation at Break	D638	%	8
Flexural Stress	D790	MPa.	150
Flexural Modulus	D790	MPa.	5000
Izod Impact Strength Notched	D256	Kg Cm/ Cm	6
Heat Deflection Temp			
- at 4.6 Kg / Cm <sup>2</sup> load	D648	°C	180
- at 18.5 Kg / Cm <sup>2</sup> load			180
Specific Gravity	D792	-	1.46
Shrinkage	D955	%	0.15-0.3

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

## **FORMULATED POLYMERS LIMITED**

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