

FORMPOLY® N66GM40

(40% Glass Fibre and Mineral Reinforced Nylon 66)

GENERAL

FPL offers a range of Nylon 66 grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® N66GM40**, which is heat stabilized, lubricated Glass Fibre with High performance Mineral Reinforced Nylon 66 with good mechanical / thermal properties and reduced shrinkage.

FORMPOLY® N66GM40

Easy flow and Fast solidification
Warpage free Molding
High mechanical properties
Excellent dimensional stability
Low water absorption
Excellent finish with Gloss

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® N66GM40 is supplied in 25 Kg dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Automobile inner parts
Pillion handle
Housings
Online painting parts

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	150
Elongation at Break	D638	%	3
Flexural Stress	D790	MPa	195
Flexural Modulus	D790	MPa	8800
Izod Impact Strength Notched	D256	kg cm/ cm	7
Heat Deflection Temp			
- at 4.6 Kg / Cm ² load	D648	°C	245
- at 18.5 Kg / Cm ² load			230
Specific Gravity	D792	-	1.45
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

Manufacturers of Engineering Plastics Compounds

Ph: +91-44-26811236,7:: Fax:26811275 E Mail: info@formulatedpolymers.com

URL: www.formulatedpolymers.com

HO & Works: 59, SIDCO Industrial Estate, Thirumazhisai, Chennai - 600124 India.

ISO 9001:2015, IATF 16949: 2009 & ISO 14001: 2015 Certified Firm

