

FORMPOLY PP3UVIM (Unfilled PP- Impact modified)

GENERAL

FPL offers a range of Polypropylene grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY PP3UVIM**, which is UV stabilized, lubricated PP with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY PP3UVIM

- High heat distortion and service temperature.
- Easy flow and fast solidification.
- Good Mechanical and thermal properties.
- UV stabilized for 1000hrs
- Easy processability
- Good surface finish and Gloss
- Excellent dimensional stability.

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 80°C for 2 to 3 hours for good surface finish.

PACKING

FORMPOLY PP3UVIM is supplied in 25 Kg dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

- Sockets and Plugs
- Automotive Head Lamp Parts
- Control Housings
- Handles
- Cable terminals

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa.	30
Elongation at Break	D638	%	200
Flexural Stress	D790	MPa.	38
Flexural Modulus	D790	MPa.	1100
Izod Impact Strength Notched	D256	Kg Cm/ Cm	8
Heat Deflection Temp			
- at 4.6 Kg / Cm ² load	D646	°C	95
- at 18.5 Kg / Cm ² load			50
Specific Gravity	D792	-	0.91
Shrinkage	D955	%	1.5- 2.0
Melt Flow Index	D-1238	Grams/10min	8

Conditioned test specimen. All results are measured under Dry-as-moulded natural test specimen
Pigmented colors would record 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:2681 1275 E Mail: formpoly@vsnl.com URL: www.formulatedpolymers.com
HO & Works: 59, SIDCO Industrial Estate, Thirumazhisai, Chennai - 600124 India



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