

# FORMPOLY® PP3UV (Unfilled PP-UV Stabilized)

## GENERAL

FPL offers a range of Polypropylene grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® PP3UV**, which is UV stabilized, lubricated PP with excellent mechanical / thermal properties and reduced shrinkage.

### FORMPOLY® PP3UV

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® PP3UV** is supplied in 25 Kgs. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

## APPLICATION

Sockets and plugs  
Automotive Head Lamp Parts  
Control housing  
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	1300
Izod Impact Strength Notched	D256	kg.cm/cm	6
Heat Deflection Temp - at 4.6 Kg/cm <sup>2</sup> load	D648	°C	95
- at 18.5 Kg/cm <sup>2</sup> load		°C	50
Specific Gravity	D792	-	0.91
Shrinkage	D955	%	1.5-2.0
Melt Flow Index	D-1238	g/10 min	8

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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