

FORMPOLY® PP3CUV (Unfilled PP-High Impact UV Stabilized)

GENERAL

FPL offers a range of Polypropylene grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® PP3CUV**, which is UV stabilized, lubricated PP with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY® PP3CUV

High impact strength
Easy flow and fast solidification
Good mechanical and thermal properties.
UV stabilized
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 100°C for 2 to 3 hours for good surface finish.

PACKING

FORMPOLY® PP3CUV 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 | 22 |
| Elongation at Break | D638 | % | 200 |
| Flexural Stress | D790 | MPa | 35 |
| Flexural Modulus | D790 | MPa | 1000 |
| Izod Impact Strength Notched | D256 | kg.cm/cm | 14 |
| Heat Deflection Temp | | | |
| - at 4.6 kg/cm ² load | D648 | °C | 90 |
| - at 18.5 kg/cm ² load | D648 | °C | 50 |
| Specific Gravity | D792 | - | 0.91 |
| Shrinkage | D955 | % | 1.5 - 2.0 |
| Melt Flow Index | D1238 | g/10min | 4 |

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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