

FORMPOLY® PPFRV2 (Unfilled PP-FR Grade)

GENERAL

FPL offers a wide range of technical compounds in polypropylene resin including **FORMPOLY® PPFRV2** which is Flame Retardant Polypropylene.

FORMPOLY® PPFRV2

Meeting UL-94 v2 requirements
Easy flow and fast solidification
Good mechanical and thermal properties.
Meeting RoHs Compliances fully
Easy processability
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® PPFRV2 is supplied in 25 Kgs. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Sockets and plugs
Switch parts
Automotive Fire Alarm Indicator
Battery Containers, Capacitors
Roofing Parts

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	33
Elongation at Break	D638	%	80
Flexural Stress	D790	MPa	40
Flexural Modulus	D790	MPa	1550
Izod Impact Strength Notched	D256	kg.cm/cm	8
Heat Deflection Temp			
- at 4.6 kg/cm ² load	D648	°C	121
- at 18.5 kg/cm ² load	D648	°C	85
Specific Gravity	D792	-	0.96
Flammability	UL94	-	V2
Melt Flow Index	D1238	g/10 min	12

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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