

FORMPOLY SPPOFR90HH

(Unfilled PPO – FR Grade)

GENERAL

FPL offers a range of Engineering Plastic grades from unfilled, glass fibre reinforced, mineral reinforced, to flame retardant for most demanding conditions and extreme requirements including FORMPOLY SPPOFR90HH, which is Unfilled PPO Flame Retardant.

FORMPOLY SPPOFR90HH

Meets UL-94 V0 Requirements
 Warpage Free
 High heat resistance
 Low moisture absorption
 Easy flow and fast solidification
 Easy processability

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 1 to 2 hours for good surface finish.

PACKING

FORMPOLY SPPOFR90HH is supplied in 25 Kg. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Internal switch housings
 Telecommunication connectors
 Deflection yokes
 Bobbins
 TV Parts

Property	ASTM Method	Unit	Value
Tensile Stress at Yield	D638	MPa.	75
Tensile stress at break	D638	MPa.	65
Elongation at Break	D638	%	5
Flexural Stress	D790	MPa.	110
Flexural Modulus	D790	MPa.	2750
Izod Impact Strength Notched	D256	Kg cm/cm	20
Heat Deflection Temp			
- at 4.6 Kg/cm ² load	D648	°C	155
- at 18.5 Kg/cm ² load	D648	°C	140
Specific Gravity	D792	-	1.10
Dielectric strength	D149	kV/mm	19.5
Flammability	UL94	-	V0
Vicat VST/B/120	D1525	°C	160

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

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