

FORMPOLY® SGPP40 (40% Glass Reinforced PP)

GENERAL

FPL offers a range of Polypropylene grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY® SGPP40**, which is heat stabilized, lubricated glass reinforced PP with excellent mechanical / thermal properties and reduced shrinkage.

FORMPOLY® SGPP40

Medium Flow

Chemically coupled GF reinforced.

High Mechanical properties.

Excellent Heat Resistance

Easy processability

Good Heat Aging

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® SGPP40 is supplied in 25 Kg. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Radiator Shroud

Washing Machine Insulating Parts

Automotive Interior Trim

Roof Vents

Automotive Parts

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	110
Elongation at Break	D638	%	2
Flexural Stress	D790	MPa	150
Flexural Modulus	D790	MPa	7400
Izod Impact Strength Notched	D256	kg cm/cm	11
Heat Deflection Temp			
- at 4.6 kg/cm ² load	D648	°C	160
- at 18.5 kg/cm ² load	D648	°C	100
Specific Gravity	D792	-	1.22
Shrinkage	D955	%	0.2-0.4

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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