FORMPOLY® PPSGF40 (40% Glass filled PPS)

GENERAL

FPL offers a range of Engineering FPL grades can normally be taken for Plastic grades from unfilled, glass reinforced mineral the to reinforced for most conditions and extreme requirements including FORMPOLY® which is Glass Fibre Reinforced PPS with high modulus.

FORMPOLY® PPSGF40

Superior Strength and Modulus Good Heat Resistance. Inherent Flame Resistance **Excellent Electrical Properties Excellent Dimensional Stability Good Chemical Resistance**

PRE-DRYING

direct processing. However, in case is material exposed demanding atmosphere, it is advisable to predry the material at 120°C for 4 to 5 hours for good surface finish.

PACKING

FORMPOLY® PPSGF40 is supplied in 25 Kg. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

Pump impellers Pump housings **Relay Housing** Bobbin & Brush Holder Halogen Bulb Holder

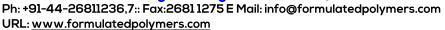
Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa	145
Elongation at Break	D638	%	<1
Flexural Stress	D790	MPa	200
Izod Impact Strength Notched	D256	kg.cm/ cm	8
Heat Deflection Temp - at 1.82 MPa load	D648	°C	>260
Specific Gravity	D792	-	1.68
Shrinkage	D955	%	0.3-0.5
Water absorption at Equilibrium	D570	%	< 0.02

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

Manufacturers of Engineering Plastics Compounds



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ISO 9001:2015, IATF 16949: 2009 & ISO 14001: 2015 Certified Firm



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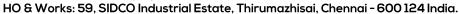
PROCESS PARAMETERS		
Drying Temperature	120-140°C	
Drying Time	3-6 hrs	
Rear Temperature	290 - 300°C	
Middle Temperature	330 - 340°C	
Front Temperature	320 - 330°C	
Nozzle Temperature	310 -320°C	
Processing (Melt) Temp	290 - 300°C	
Throat Temperature	60 – 80°C	
Mold Temperature	130 - 150°C	

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