

FORMPOLY ABSGF30 (30% Glass fibre reinforced ABS)

GENERAL

FPL offers a range of Engineering plastics grades from unfilled, glass fibre reinforced, mineral reinforced to flame retardant including **FORMPOLY ABSGF30**, which is Glass fibre reinforced ABS with excellent mechanical and thermal properties.

FORMPOLY ABSGF30

- Low warpage
- Easy flow and fast solidification
- Good dimensional stability
- High mechanical properties
- 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 ABSGF30 is supplied in 25 Kg. dry, ready to mould, in sealed bags to prevent the uptake of moisture.

APPLICATION

- Textile pulleys
- Air conditioner fans
- Impellers
- Motor casing
- Speedometer housing for OTR vehicles

Property	ASTM Method	Unit	Value
Tensile Stress	D638	MPa.	75
Elongation at Break	D638	%	2.5
Flexural Stress	D790	MPa.	93
Flexural Modulus	D790	MPa.	7000
Izod Impact Strength Notched	D256	Kg Cm/ Cm	7
Heat Deflection Temp			
- at 4.6 Kg / Cm ² load	D646	°C	110
- at 18.5 Kg / Cm ² load			106
Specific Gravity	D792	-	1.21
Shrinkage parallel	D955	%	0.1 to 0.3
Melt Flow Index	D-1238	Grams/10min	6

Conditioned test specimen. All results are measured under Dry-as-moulded natural test specimen
Pigmented colors would record 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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