

FORMPOLY® ABSGF20

(20% Glass Fiber Reinforced ABS)

GENERAL

FPL offers a range of Engineering Plastic grades from unfilled, glass fibre reinforced to flame retardant including **FORMPOLY® ABSGF20**, which is Glass Fibre reinforced ABS with excellent mechanical and thermal properties.

FORMPOLY® ABSGF20

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® ABSGF20 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	65
Elongation at Break	D638	%	3
Flexural Stress	D790	MPa	90
Flexural Modulus	D790	MPa	5500
Izod Impact Strength Notched	D256	kg.cm/cm	7
Heat Deflection Temp - at 18.5 Kg/cm ² load	D648	°C	102
Specific Gravity	D792	-	1.20
Shrinkage parallel	D955	%	0.1 to 0.3
Melting Flow Index	D1238	g/10min	8

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 D4673

The information present here is for general guidance. It is given in good faith but no warrant is attached

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