ACRYLONITRILE BUTADIENE STYRENE · REINFORCED

ABS GF30

Glass-fiber reinforced ABS with 30 wt% fiber loading for high stiffness, dimensional stability and load-bearing performance. The right choice when standard ABS lacks the rigidity needed for structural housings or precision fittings.

- Reinforced
- Injection Molding
- Supplier: Jinsheng Plastic

MATERIAL OVERVIEW

COMMERCIAL STATUS Available	FEATURE Glass-Fiber Reinforced
TYPICAL USES Small & large appliances · Electrical fittings · Automotive parts	PROCESSING METHOD Injection Molding
ADDITIVE Glass Fiber (30 wt%)	FORM Pellets

TYPICAL APPLICATIONS

- Large home appliances
- Electrical fittings
- Structural housings
- Small appliances
- Automotive components

TECHNICAL PROPERTIES

PHYSICAL PROPERTIES

PROPERTY	TEST CONDITION	VALUE	UNIT	TEST METHOD
Melt Flow Rate (MFR)	230 °C / 2.16 kg	**12**	g/10 min	GB/T 3682
Density	23 °C	**1.25**	g/cm³	GB/T 1033
Ash Content	—	**30**	wt%	GB/T 2408

MECHANICAL PROPERTIES

PROPERTY	TEST CONDITION	VALUE	UNIT	TEST METHOD
Tensile Strength	—	**66**	MPa	GB/T 1040
Elongation at Break	—	**5.7**	%	GB/T 1040
Flexural Strength	—	**91**	MPa	GB/T 19341
Flexural Modulus	—	**4,800**	MPa	GB/T 19341
Izod Impact Strength (notched)	10 mm × 4 mm	**8.4**	kJ/m²	GB/T 1843

THERMAL PROPERTIES

PROPERTY	TEST CONDITION	VALUE	UNIT	TEST METHOD
Heat Deflection Temperature	—	**109**	°C	GB/T 1634

WL Plastics — Injection Molding Solutions

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FACTORY · Ningbo, Zhejiang, China

SPECIALTY · Dental consumables · Medical & industrial gas-control components

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application. WL Plastics is not liable for results obtained from the use of this information.