

RD30 Technical Data Sheet

Description

RD30 is a chopped glass fiber mat thermoplastic laminate with a randomly oriented glass fiber contained within a polypropylene resin matrix. This composite material features good flow properties and a very good homogeneous fiber distribution. This material is typically used for standard semistructural applications (e.g. Under cover, Seat back, and Load floor) where good glass distribution into features such as ribs is favored.

Typical properties	Test standard	SI Units	
Physical Sheet Thickness Fiber contents by Weight(Ash) Specific Gravity Molded Color	Internal Internal ASTM D792 Internal	3.8 30 1.11 Black	mm g/cm ³
Mechanical Tensile Strength Tensile Modulus Tensile Elongation at Break Flexural Strength Flexural Modulus Impact(Izod) Strength	ASTM D638 ASTM D638 ASTM D638 ASTM D790 ASTM D790 ASTM D256	70 4500 2.1 95 3600 400	Mpa Mpa % Mpa Mpa J/m
Thermal Heat Deflection Temperature(HDT)	ASTM D648	155	°C

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It is intended as a reference to material characteristics and does not reflect statistical manufacturing capability.