

Huabin General Machinery & Equipment Import & Export Co,Ltd

HBGMEC Basalt Fiber Structural Profile - Round Solid Bar

Continuous basalt fiber immersed in epoxy resin pass through square-shaped mould to form by pultrusion process.



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Technical Data - Physical and Mechanical Properties

Property	Value
Profile Shape	Round solid bar
Profile Diameter Dimension	26mm
Longitudinal Tensile Strength (GB/T3354-2014)	1090MPa
Modulus of Elasticity in Longitudinal tension (GB/T3354-2014)	52.4GPa
Longitudinal Compression Strength(GB/T1448-2005)	472MPa
Modulus of Elasticity in Longitudinal compression (GB/T1448-2005)	14.8GPa
Longitudinal Buckling Strength(GB/T1449-2005)	1058MPa
Longitudinal Interlaminar Shear Strength (JC/T 733-2010)	75.4MPa
Transverse Compression Strength(GB/T1448-2005)	138MPa
Resin Type	Epoxy resin
Appearance	The surface is smooth, no crack no bubble, no fiber exposure no fiber infiltration defect.

Application

Load-carrying structure in construction, bridge, electricity, chemical engineering and other fields.

Packing Description

Packing Type Single profile and fixed length

Storage Conditions

1. Store in a place of shady and cool, dry and draughty, avoid sun exposure, away from light source, heat source.
2. Store in a place where avoiding mixing with other corrosive chemicals.
3. The surface of profile don't place heavy material/goods.

Transportation Conditions

1. Transportation with cardboard, bubble film, soft materials as cork mat lining.
2. Transportation vehicles and storage areas shall be protected from rain and moisture.
3. The packing should not be damaged during unloading.