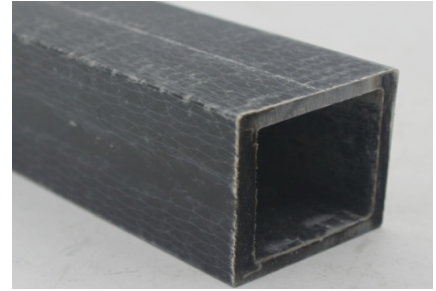


Huabin General Machinery & Equipment Import & Export Co,Ltd

HBGMEC Basalt Fiber Structural Profile - Square Tube

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

Version 5.0 9th Jul 2019



Technical Data - Physical and Mechanical Properties

Property	Value
Profile Shape	Square tube
Profile Dimension	40x40mm
Wall Thickness	4mm
Longitudinal Tensile Strength (GB/T3354-2014)	739MPa
Modulus of Elasticity in Longitudinal tension (GB/T3354-2014)	47GPa
Longitudinal Compression Strength(GB/T1448-2005)	332MPa
Modulus of Elasticity in Longitudinal compression (GB/T1448-2005)	27.2GPa
Longitudinal Buckling Strength(GB/T1449-2005)	911MPa
Longitudinal Interlaminar Shear Strength (JC/T 733-2010)	62.9MPa
Transverse Compression Strength(GB/T1448-2005)	138MPa
Modulus of Elasticity in Transverse compression (GB/T1448-2005)	10.5GPa
Transverse Interlaminar Shear Strength (JC/T 733-2010)	9.69MPa
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.

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