



Glass Wool Insulation



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Glass Wool Insulation



Glass wool is made by adopting unique centrifugal technology and adding environmental adhesives of thermosetting resins-based into molten glass fibrosis. It is a kind of elastic glass fiber product made of glass fiber with diameter of only a few microns, and we can also choose moisture-proof facing on-line compound according to customers' requirements. Because of a large number of tiny air interspaces, it has the functions of heat insulation, sound absorption, safe guarding and etc, so it is the best materials of heat insulation and sound absorption in construction.

Distinctive advantages:

- Unique technology; rebound degree after compressive packing is up to 99.2%.
- Soft and long glass fibers can maximally lessen flying catkins in the construction.
- Sound absorption and noise reduction; it can effectively prevent sound from spreading.
- Grade A1 incombustible materials.
- Easy for construction; cutting at will.
- Antisepsis, ageing resistance, and anticorrosion, ensuring a healthy environment.
- Low moisture absorption; stable physical properties.



Scope of application: It is widely used for heat insulation and sound absorption in industrial workshops, warehouses, public facilities, exhibition centers, shopping malls, and a variety of indoor playgrounds, sports stadiums and etc.



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density(kg/m ³)	width(mm)	thickness(mm)	length(m)	packing/roll	
10-48	600	25-200	5-30	2roll	
10-48	1100	25-200	5-30	1roll	two-roll overlapping
10-48	1150	25-200	5-30	1roll	two-roll overlapping
10-48	1200	25-200	5-30	1roll	two-roll overlapping
10-48	1250	25-200	5-30	1roll	two-roll overlapping

We can also offer other specs of products.



Technical Parameters

item	unit	index	measured value	remarks
bulk density	kg/m ³	10-96	10-96	GB/T 13350-2000
average diameter of fibers	m	< 8.0	4.0-6.0	GB/T 13350-2000
moisture resistivity	%	> 98	> 98.5	JISA9512-2000
thermal conductivity	W/m.k	0.049-0.042	0.045-0.032	GB/T 13350-2000
incombustibility		incombustible	up to standard (Grade A)	GB/T 13350-2000
sound absorption coefficient			1.03product reverberation positioning 24kg/m ³ 2000HZ	GB/J47-83
Max. working temperature		400	410	GB/T 13350-2000

Physical Properties

shrinkage temperature of heat load	GB/T11835-1998	250 -400
corrosion resistance	ASTM C665	no chemical reaction
mildew resistance	ASTM C665	mildewproof
performance	experimental method	technical requirements
moisture absorption	ASTM C1104 GB5480.7-87	3% of weight (49 , relative humidity 90%) 5% of weight (49 , relative humidity 90%)
moisture permeability	ASTM E96 GB/T17146-1997	Max. 0.013g/24h • m ² • mercury/mm
combustibility	UL723 ASTM E84 CAN/ULC S-102 GB8624	flame spreading:25 fumes spreading:50 Grade A incombustible material