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Polyurethane Foam Board



Polyurethane foam board is a composite board made of polyurethane hard foam, which is a high polymer material. The product has small bulk density, low thermal conductivity, high closed cell rate, corrosion resistance, flame retardance, antifreeze, heat insulation and heat preservation. It is an environmental protection and energy-saving material and is widely used in the construction field, pipeline, storage tank, cold storage and other fields.

1,Description of polyurethane foam board

Polyurethane foam board is a composite board produced by chemical reaction with polyurethane hard foam and cyanate ester as the main raw materials and under the action of catalyst, foaming agent and surfactant. The product has light bulk weight, high strength, antifreeze, heat insulation, flame retardant, anti-corrosion and non water absorption. It has become an indispensable insulation material in the construction industry, refrigeration field, petrochemical industry, electric power and other industries.

Polyurethane foam board is a composite board made of polyurethane hard foam as the core material, covered with non-woven fabric or other finishing layers on both sides or one side. It has high closed cell rate and excellent thermal and cold insulation performance. The 5cm thick product is equivalent to the 1m thick concrete thermal insulation effect. The product is a new material with thermal insulation and waterproof functions, and its thermal conductivity is very low, which is the general of polystyrene foam board. The product can be used in the environment of - 196 °C +150 °C, and can reach the service life of 30 years.

2, Main performance parameters of polyurethane foam board

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Item	unit	value
thermal conductivity	W/m.k	0.022-0.033
density	Kg/m3	30-60
tensile strength	Kgf/m2	2.5-3.5
close cell content	%	≥93
Water absorption	%	≤0.25
fire resistance		B1 Grade
Operating temperature	°C	-196-+150

3. Main characteristics of the product

- 1) The product is basically of closed cell structure, frost resistance, thermal insulation, and can be used at - 196°C -+150°C
- 2) The thermal conductivity is extremely low, 0.022-0.033w/m.k. The 25mm thick product is equivalent to the insulation effect of 40mm thick EPS
- 3) Non water absorbing, anti-corrosion, sound insulation and other excellent performance
- 4) Long service life, up to 30 years

4. Main purpose of the product

Widely used in construction, cold storage, pipeline, storage tank, petrochemical, electric power and other fields

5, We are a professional supplier, who can provide customers with free product technology, use and other issues

Do you want to find a professional supplier of Polyurethane Foam Board?

Do you want to find a stable and credible supplier?

Then please contact with us

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