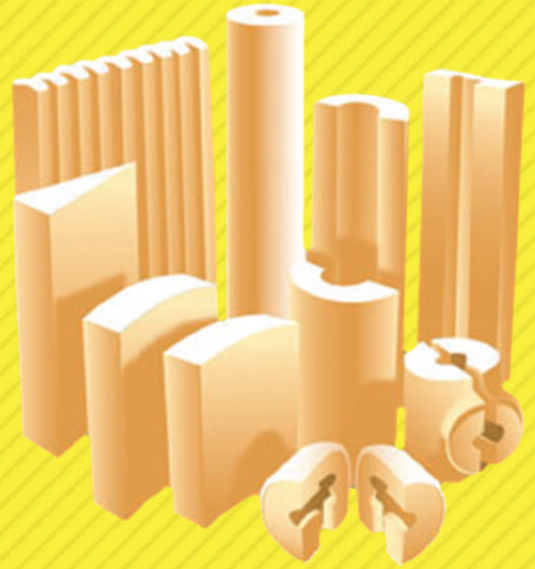


BRG

PUF-RIGID

POLYURETHANE FOAM



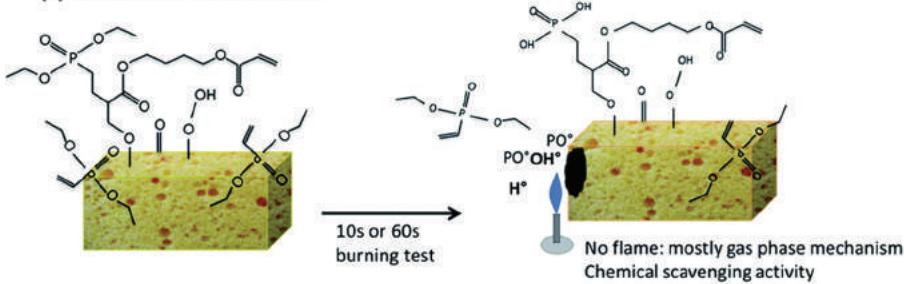
Rigid Polyurethane Foam is a specialized cryogenic insulation material. It is mainly made from polyether polyols and isocyanate added with flame retardant, foaming agent and stabilizing agent, generating into closed-cell foaming body through chemical reaction after mixing and stirring. It has high closed cell content rate and low water absorption, it is applied to cryogenic thermal insulation.

PRODUCTS ADVANTAGES

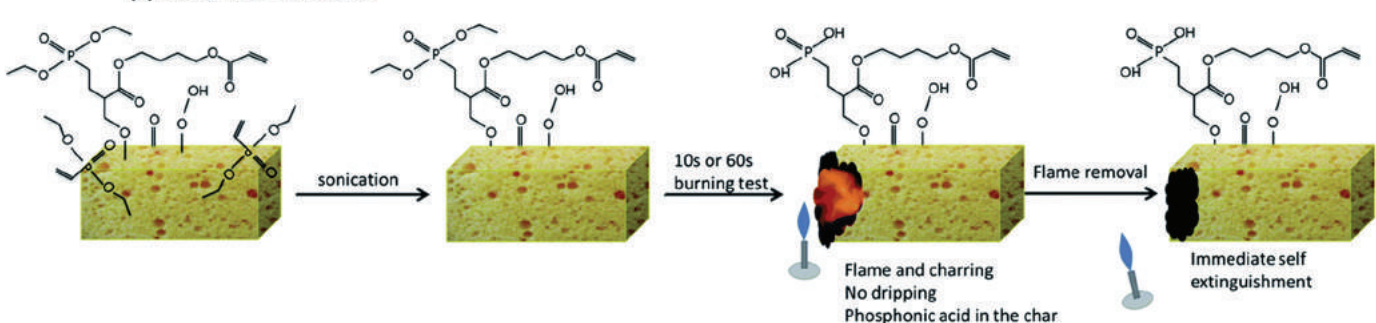
- Thermosetting material with high fire-resistance;
- Low thermal conductivity, excellent cold insulation;
- Fluorin-free, Environment-friendly, anti-corrosive, anti-mold and etc;
- High mechanical strength, dimensional stability and Durability.



(a) Coated PUF – no sonication



(b) Coated PUF – sonication



PRODUCT APPLICATION

It's widely used in petroleum, chemical, ethylene industries, as well as in cold storage, refrigeration, residential, LNG Plants, Carriers & Systems . PUF can be prefabricated into different shape segments in workshop, it also can be Sprayed or foamed on site.

PACKING AND STORAGE

Strapping Packing, special requirement is available according to request; Store in a dry, shady, and ventilated place, keep away from heat source and protect from Exposure To Sunlight.

APPLICATION AND CAUTIONS

When applied to pipe and equipment insulation, fastening with steel bands.
During construction, if Needed it can be cut to any desired shape by saw.

TECHNICAL DATA

TEST ITEM	UNIT	TECHNICAL DATA	TEST METHOD
Density	Kg/m ³	35-500 kg/m ³ ±5%	GB/T6343/ DIN EN ISO845
Compressive Strength	Mpa	≥0.20	GB/T8813/DIN 53421
Tensile Strength	Mpa	≥0.20	GB/T9641
Thermal Conductivity (25°C)	W/(m.k)	≤0.023	GB/T10294/ DNI 52612
Oxygen Index		≥26	GB/T2406.2
Flammability	Class B2	B2	DIN 4102 Part 1
Water Absorption	%	≤5	GB/T8810/ DIN 53428
Service Temperature	°C	-80~120	
Closed Cell Content	%	90-95	DIN EN ISO 4590
Compressive Strength	Kg/Cm ²	8-108 ±5%	DIN53421

