



PIR/PUR foam shell low density HLPIRs



Product Introduction

Huali low density PIR/PUR foam shell is made from our HLP block, fabricated with wire cutting machine, to different shape of pipe, curved, elbow, tee, etc. mainly used for thermal insulating purposes, thanks to their **very low thermal conductivity** and their high insulating power.



Application

The performance of polyurethane/polyisocyanurate is expressed at best in the cold chain rather than with hot temperatures, to assure insulation both in transport of perishable good (food, medicines, etc.) and, in case of polyisocyanurates, in applications of HVACR and industrial insulation of LNG, LPG, ethylene, ammonia/fertilizer, underground oil ducts.

Product Performance

- Non-flammable, asbestos free, non-toxic
- Low thermal conductivity
- Low water absorption and vapor permeability
- Dimensional stability
- Chemical resistance & compatibility
- Range of service temperature
- Fire properties

Technical Data

Item	Unit	Data
Density	kg/m ³	35-60
Thickness	mm	25-80mm single layer Above 80mm double layers
Service temperature	°C	-200 ~ +120
Blowing agents		HFCs/CFCs/HCFCs-free
Global warming potential(GWP)		<10
Approvals, Homologations, Compliances		ASTM C591
Compressive strength	Kpa	≥21
Tensile strength	Kpa	≥35
Thermal conductivity	W/mk	0.18
Surface burning characteristics		<25
PH value		6-7
Dimensional stability, stability, linear change	%	≤2
Water absorption by volume	%	<4.5
Closed-cell content	%	>95

For detailed size, please contact us