Foaming Agents

Expanded Polystyrene / **n-Pentane**

n-Pentane: Agente hinchante para EPS, XPS y Poliuretano

n-Pentane is a liquid hydrocarbon obtained from petroleum that is mainly used for the manufacture of rigid polyurethane but can also be used in EPS and XPS. It is characterized by having an intermediate boiling point when compared with other pentanes used in the insulation industry.

In the case of use in polyurethane, foams with lower density, good dimensional stability, and mechanical properties are obtained, which is why it is usually used in the manufacture of continuous polyurethane panels.

Chemical Name:

Normal-pentane

CAS Number:

109-66-0

Technical Characteristics:

> Extremely flammable and colorless liquid hydrocarbon.
> Good chemical stability.
> Lower thermal conductivity than other pentanes used in PU.
> Does not affect the ozone layer and low global warming potential (GWP).
> Product with high impact with regard to SEVESO regulation due to its high flammability and low boiling point.

Packaging:

- Drums
- Cylinder
- Roll drums

Applications:

Polyurethane is mainly for the manufacture of sandwich panels or mixed with other hydrocarbons.

EPS

XPS

Properties:

Chemical Formula	C5H12	
Molecular Weight	72,15	g/mol
Boiling Point	35	°C
Vapor pressure (20ºC)	0,6	bara
Vapor pressure (50ºC)	1,6	bara
Liquid Density (20ºC)	0,63	kg/l
Liquid Density (50ºC)	0,59	kg/l
Thermal conductivity (20ºC)	14	mW/mK
LEL (Lower Explosive Limit)	1,4	% volume
UEL (Upper Explosive Limit)	7,8	% volume

More information:

If you want more information about our products, contact us.

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