Foaming Agents

Polyurethane / **n-Pentane**

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

En-Pentane : Foaming agent for EPS, XPS and Polyurethane
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 between the pentanes used in the insulation industry.

When used 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:	CAS Number:
Normal-pentane	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 in terms of SEVESO regulation due to its high flammability and low boiling point.

Packaging:

- Drums
- Roll drums
- Containers - Tank

Applications:

Polyurethane mainly for the manufacture of sandwich panel 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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