Agentes hinchantes

Polyurethane / **Cyclopentane**

Cyclopentane: Foaming agent for EPS, XPS, and polyurethane.

Cyclopentane 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 as being the pentane with the lowest thermal conductivity value, which is why it is usually used in applications where good thermal insulation is required.

When used in polyurethane, foams with higher density, good dimensional stability, and mechanical properties are obtained.

Chemical Name:	CAS Number:
Cyclopentane	287-92-3

Technical Characteristics:

> Highly flammable and colorless liquid hydrocarbon.
> Good chemical stability.
> Superior thermal conductivity to other pentanes used in PU.
> Does not affect the ozone layer and low global warming potential (GWP).
> Product with less impact in terms of SEVESO regulations due to not being considered an extremely flammable liquid.

Packaging:

- Drums
- Roll drums
- Containers - Tank

Applications:

Polyurethane used mainly for the manufacture of high insulation PU or mixed with other pentanes.

EPS

XPS

Properties:

Chemical Formula	C5H12	
Molecular Weight	70,1	g/mol
Boiling Point	48	°C
Vapor pressure (20ºC)	0,3	bara
Vapor pressure (50ºC)	1,0	bara
Liquid Density (20ºC)	0,74	kg/l
Liquid Density (50ºC)	0,71	kg/l
Thermal conductivity (20ºC)	11	mW/mK
LEL (Lower Explosive Limit)	1,5	% volume
UEL (Upper Explosive Limit)	8,7	% volume

More information:

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

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