

## LG Chemical Benzene

Category : Fluid

### Material Notes:

**Physical Properties:** Bright and colorless liquid, Unique odor (Low density) and Unpleasant smell (High density) **Structure & Characteristics:** CH<sub>2</sub>=CH<sub>2</sub>. A colorless inflammable liquefied gas which has characteristic odor of hydrocarbon. It needs low temperature and high pressure for storage **Uses:** Major material of PS and ABS resin, Material of epoxy resin, Polycarbonate, Low-boiling point solvent of plastic, Rubber, Resin, etc, Nylon Unsaturated polyester, Paint, Ink, Urethane resin, Synthetic detergent **CAS:** 71-43-2 **Information provided by LG Chemical**

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LG-Chemical-Benzene.php](http://www.lookpolymers.com/polymer_LG-Chemical-Benzene.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.882 - 0.886 g/cc	0.882 - 0.886 g/cc	ASTM D3505
Vapor Pressure	0.0995 bar @Temperature 20.0 Â°C	74.6 torr @Temperature 68.0 Â°F	

Thermal Properties	Metric	English	Comments
Melting Point	6.00 Â°C	42.8 Â°F	
Boiling Point	80.0 Â°C	176 Â°F	
Flash Point	-11.0 Â°C	12.2 Â°F	

Descriptive Properties	Value	Comments
Autoignition Temperature	498Â°C	
Color	>20Â°C	(Pt-Co) , ASTM D1209
	1-2	ASTM D848
Components	Benzene	0.99
	N-Aromatics	500 ppm, ASTM D23960
	Sulfur (H <sub>2</sub> S, SO <sub>2</sub> )	<1 ppm, ASTM D853
	Thiophene	<1 ppm
	Toluene	0.0005
Purity	>99.9%	
Solidification	>5.45Â°C	
Total Distillation Range	80.1Â°C ? T 1Â°C	from IBP, ASTM D850

Descriptive Properties	Value	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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