

LG Chemical Phenol

Category : Fluid

Material Notes:

Structure & Characteristics: C₆H₅OH. Phenol is a white crystalline solid with a distinct smell
Uses: Raw material of phenolic resins, dye stuffs, synthetic fibers, herbicides, photo material, aromatic essences, etc. Moreover, it is also used as disinfectants and sterilizers. We also use phenol as the base material for our BPACAS: 108-95-2
 Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-Phenol.php

Physical Properties	Metric	English	Comments
Specific Gravity	>= 1.0009 g/cc	>= 1.0009 g/cc	1% aq' sol
Viscosity	1.09 cP	1.09 cP	
	@Temperature 100 Â°C	@Temperature 212 Â°F	
	1.56 cP	1.56 cP	
	@Temperature 80.0 Â°C	@Temperature 176 Â°F	
	2.47 cP	2.47 cP	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	3.8 cP	3.8 cP	
	@Temperature 45.0 Â°C	@Temperature 113 Â°F	
Molecular Weight	94.11 g/mol	94.11 g/mol	
Vapor Pressure	0.000280 bar	0.210 torr	
	@Temperature 25.0 Â°C	@Temperature 77.0 Â°F	
	0.00349 bar	2.62 torr	
	@Temperature 50.0 Â°C	@Temperature 122 Â°F	
	0.0540 bar	40.5 torr	
	@Temperature 100 Â°C	@Temperature 212 Â°F	
	0.52999 bar	397.53 torr	
	@Temperature 160 Â°C	@Temperature 320 Â°F	

Thermal Properties	Metric	English	Comments
Heat of Fusion			

Thermal Properties	122.3 J/g Metric	52.59 BTU/lb English	Comments
Heat of Vaporization	489 J/g	210 BTU/lb	@ B.P.
Specific Heat Capacity	1.28 J/g-Â°C	0.306 BTU/lb-Â°F	
Melting Point	37.9 Â°C	100 Â°F	
Boiling Point	181.8 Â°C	359.2 Â°F	
Flash Point	79.0 Â°C	174 Â°F	CC
	85.0 Â°C	185 Â°F	TOC

Chemical Properties	Metric	English	Comments
Critical Temperature	419 Â°C	786 Â°F	

Descriptive Properties	Value	Comments
Autoignition Temperature	716Â°C	
Color	<10 Pt/Co	Molten
	Clear	
Components	Water Content	<300 ppm
Explosion limit	0.015	
Heat of Combustion	-7.754 cal/g	
Ignition Point	>715Â°C	
Purity	>99.95%	
Solidification	>40.8Â°C	

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