

beyond
the best

KUMHO PETROCHEMICAL

PHENOL

KUMHO P&B CHEMICAL

PHENOL is a clear, colorless and light pink solid or thick liquid, prone to reddish on exposure to air and light, hastened by presence of alkalinity. It has characteristic odor and absorbs water from the air. The principal use of PHENOL is for resins, especially for PHENOL-formaldehyde thermosetting resins. The PHENOL of KUMHO is produced by the oxidation of cumene.

Sales Specification

Appearance	Clear
Purity(dry), wt.%	99.96 Min
Molten color, Pt/Co	10 Max.
Solidification point, °C	40.7 Min
Iron contents, wt.ppm	0.10 Max

Typical Properties

Molecular weight	94.11
Appearance	Solid : white crystalline mass Liquid (above 41 °C) : colorless
Odor	Characteristic
Boiling point, °C	182
Melting point, °C	41
Flash point, °C	79
Autoignition temperature, °C	715
Vapour pressure @ 25°C, mmHg	(Solid) 0.35
Vapour density (air = 1)	3.2
Viscosity @ 80°C, cP	1.51
Explosive limits in air by vol.%	(Lower) 1.36% (Upper) 10.0%
Specific gravity (H ₂ O = 1)	
Liquid @ 41/4 °C	1.0576
Solubility in water @ 25 °C, % by weight 8.3	*Soluble in all proportions above 66 °C

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