

PRODUCT: Phenol 90%

Phenol 90% is a product obtained by mixing two substances: anhydrous phenol and water. The composition by weight of PHENOL / DEMINERALIZED WATER is 90/10. At temperatures above 15°C, this mixture is liquid.

Applications:

The major uses of phenol, consuming two thirds of its production, involve its conversion to precursors to plastics. Condensation with acetone gives bisphenol-A, a key precursor to polycarbonates and epoxide resins.

Items	Unit	Standards
Appearance	-	Clear colorless liquid
Odor	-	Strong, pungent
Flash point (closed cup)	°C	> 100
Melting point	°C	12 to 13.5
Density at 20°C	kg/dm ³	1.066
Density at 30°C	kg/dm ³	1.058k
Refractive index	-	1.525
Dynamic viscosity at 20°C	mPa.s	6.1
Dynamic viscosity at 30°C	mPa.s	4.3
Vapor pressure at 20°C	Pa	20.7
Vapor pressure at 30°C	hPa	36.9
Vapor density (air = 1)	-	3.24