

Properties and Standard Specifications

Pentaethylenehexamine

Physical Properties

Product Name				Pentaethylenehexamine	-	PEHA
Molecule formula				$H_2N - (C_2H_4 - NH)_5 - H$		
Appearance				Clear solution		
Relative Density (20/20°C)				1.002		
Boiling Point	at 101.3 kPa	[°C]		--		
	at 1.33 kPa	[°C]		230		
Pour Point		[°C]		-26		
Vapour Pressure at 20 °C		[Pa]		< 1		
Total Nitrogen content		[wt. %]		34		
Viscosity at 20 °C		[mPa.s]		≈ 200		
Total Amine Value		[mgKOH/gr]		approx. 1275		

Standard Specifications

Item	Unit	Value			Method of Analysis
		Minimum	Typical	Maximum	
Appearance	-	Clear , free of	suspended	matter	DEL 119
Colour	Gardner		< 1	8	DEL 117
Water	weight %		< 0.1	0.5	DEL 115
PEHA fraction	area %	70			DEL 138
PEHA + higher amines	area %	85			DEL 138