

Properties and Standard Specifications

Tetraethylenepentamine

Physical Properties

Product Name	:	Tetraethylenepentamine	-	TEPA
Molecule formula	:	$\text{H}_2\text{N} - (\text{C}_2\text{H}_4 - \text{NH})_4 - \text{H}$		
Appearance	:	Clear solution		
Relative Density (20/20°C)	:	0.994		
Boiling Point at 101.3 kPa	[°C]	:	320	
at 1.33 kPa	[°C]	:	195	
Pour Point	[°C]	:	-30	
Vapour Pressure at 20 °C	[Pa]	:	< 1	
Total Nitrogen content	[wt. %]	:	35	
Viscosity at 20 °C	[mPa.s]	:	80	
Total Amine Value	[mgKOH/gr]	:	approx. 1300	

Standard Specifications

Item	Unit	Value			Method of Analysis
		Minimum	Typical	Maximum	
Appearance	-	Clear , free of suspended matter			DEL 119
Colour	Gardner		< 1	5	DEL 117
Water	weight %		< 0.1	0.5	DEL 115
TEPA fraction	area %	95	> 96		DEL 137