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## Typical Product Specifications & Properties

# Xylene

CAS Number: : 1330-20-7

Specifications	Limits
Density	0.86
Practically Insoluble	in water
Coefficient of Cubic Expansion @ 20C	10 10 <sup>-4</sup> /C
Vapour Pressure @ 20C	1.5 kPa
Hildebrand Solubility Parameter	8.9 (cal/cm <sup>3</sup> ) <sup>1/2</sup>
Relative Evaporation Rate (Ether=1)	15
Benzene	<100 mg/kg
Kauri-Butanol Number	90
Molecular weight	106 g/mol
Colour	+30 Saybolt
Antoine Constant C #	348.560 kPa, C
Vapour Pressure @ 0C	0.57 kPa



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Specifications	Limits
Lower Explosion Limit in Air	1.0 % v/v
Refractive Index @ 20° C	1.498
Relative Evaporation Rate (nBuAc=1)	0.70
Aniline point	10 C Mixes
Hydrogen Bonding Index	4.5
Distillation - Initial Boiling Point	139 C
Antoine Constant A #	7.61800 kPa, C
Antoine Constant B #	2739.24 kPa, C
Temperature Limits for Antoine Equation	+4 to +120 C
Aromatics	>99.5 mg/kg
Sulphur	<1 mg/kg
Flash Point (Abel)	26 C



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Specifications	Limits
Auto Ignition Temp	500 C
Pour point	<-30 C
Distillation - Dry Point	142 C
Electrical Conductivity @ 20C	<10 pS/m
Viscosity @ 25°C	0.73 mm <sup>2</sup> /s
Density @ 15 ° C	0.870 kg/L
Saturated Vapour Concentration @ 20C	67 g/m <sup>3</sup>
Upper Explosion Limit in Air	7.1 % v/v

Specifications	Limits
Surface Tension @ 20C	29 mN/m
Thermal Conductivity @ 20C	0.14 W/m/C
Fractional Polarity	0.001
Odor	char. sweet odor



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Specifications	Limits
Vapor Pressure	6.72 mm hg (21 c)
Refractive Index	1.4970
Color	colorless clear liquid
Flash Point	(cc) 29 c
Solubility	abs. alcohol, ethanol, diethyl ether, many org. liqs.
Boiling Point	137-144 c
Chemical Structure	



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