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Typical Product Specifications & Properties

Pentane Blend 80/20

CAS Number: : Mixture

Specifications	Limits
Relative Evaporation Rate (nBuAc=1)	13
Hydrogen Bonding Index	0
Coefficient of Cubic Expansion @ 20C	16 10 ⁻⁴ /C
Distillation - Initial Boiling Point	34 C
Benzene	<3 mg/kg
Flash Point (Abel)	<-50 C
Electrical Conductivity @ 20C	<1 pS/m
Colour	+30 Saybolt
Bromine Index	50 mg Br/100g
Vapour Pressure @ 20C	62 kPa
Paraffins	>99 % m/m
Naphthenes	<1 % m/m



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Specifications	Limits
Sulphur	<0.5 mg/kg
Upper Explosion Limit in Air	7.8 % v/v
Kauri-Butanol Number	29
Surface Tension @ 20C	16 mN/m
Thermal Conductivity @ 20C	0.12 W/m/C
Molecular weight	72 g/mol
Refractive Index @ 20° C	1.357
Relative Evaporation Rate (Ether=1)	<1.0
Vapour Pressure @ 0C	28 kPa
Saturated Vapour Concentration @ 20C	1837 g/m ³
Aromatics	<5 mg/kg
n-Hexane	<0.1 % m/m



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Specifications	Limits
Lower Explosion Limit in Air	1.4 % v/v
Pour point	<-50 C
Fractional Polarity	0
Density @ 15 ° C	0.630 kg/L
Distillation - Dry Point	37 C
Aniline point	72 C
Viscosity @ 25°C	0.35 mm ² /s
Hildebrand Solubility Parameter	7.0 (cal/cm ³) ^{1/2}



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