

Product Description

Forming Oil consists predominantly of C11-C12 paraffins and naphthenes. Deep hydrogenation gives this solvent a very low aromatic content, negligible amount of reactive impurities a low, sweet odour.

Standards/Specifications

Property	Unit	Min	Max	Method
Appearance	Clear & free from suspended matter			visual
Density @ 15 ^o C	kg/l	0.7700	0.7900	ASTM D4052
Colour	Saybolt	25		ASTM D156
Distillation, IBP	^o C	185		ASTM D86
Distillation, FBP	^o C		212	ASTM D86
Aromatics	mg/kg		1000	SMS 2728
Flash Point (PMCC)	^o C	62		ASTM D93

Typical Properties

Property	Unit	Method	Value
Density @ 15 ^o C	kg/l	ASTM D4052	.780
Cubic Expansion coefficient @ 20 ^o C	(10 ⁻⁴) ^o C	Calculated	10
Refractive index 20 ^o C	-	ASTM D1218	1.433
Colour	Saybolt	ASTM D156	+30
Bromine Index	mg Br/100g	ASTM D1492	<5
Distillation, IBP	^o C	ASTM D86	188
Distillation, FBP	^o C	ASTM D86	209
Relative Evaporation Rate(nBuAc=1)	-	ASTM D3539	0.04
Antoine Constant A #	kPa, ^o C	-	6.91546
Antoine Constant B #	kPa, ^o C	-	2225.63
Antoine Constant C #	kPa, ^o C	-	257.923
Antoine Constants: Temperature range	^o C		+70 to +200
Vapour Pressure @0 ^o C	kPa	Calculated	0.02
Vapour Pressure @20 ^o C	kPa	Calculated	0.08

Anglomoil Superior Lubricants

Lubricants for Automotive - Industry - Food - Farm Machinery - Marine - Earthmovers - Road Transport

2 Beaumont Rd, Mt Kuringai, NSW, Australia Phone: +61 2 9457 8566, Fax: +61 2 9457 8057 Email: info@anglomoil.com Web: www.anglomoil.com

Typical Properties continued

Property	Unit	Method	Value
Saturated Vapour Concentration @20°C	G/m ³	Calculated	5
Paraffins	%m/m	GC	50
Naphthenes	%m/m	GC	50
Aromatics	%m/m	GC	<0.1
Benzene	mg/kg	GC	<3
Flash Point	°C	ASTM D93	69
Auto Ignition Temperature	°C	ASTM E659	255
Electrical Conductivity @23°C	pS/m	ASTM D2624	10
Aniline Point	°C	ASTM D611	71
Pour Point	°C	ASTM D97	<-50
Surface Tension @20°C	mN/n	Du Nouy ring	26
Viscosity @25°C	mm ² /s	ASTM D445	1.6
Hildebrand Solubility Parameter	(cal/cm ³) ^{1/2}	-	7.6
Hydrogen Bonding Index	-	-	0
Fractional Polarity	-	-	0
Molecular Weight	g/mol	calculated	162

(#) In the Antoine temperature range, the vapour pressure P (kPa) at temperature T (°C) can be calculated by means of the Antoine equation: $\log P = A - B / (T + C)$

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