



CROSS L-400

BASE OILS

Cross L Series are severely hydro treated naphthenic base oils manufactured from select crude streams. They offer low pour point, good solvency and color stability. They are ideal for production blending and exhibit excellent solubility with additive systems.

TEST DESCRIPTION	TEST METHOD	SPECIFICATIONS		TYPICAL
		Min	Max	
Physical Properties				
Viscosity, cSt @ 40° C	D-445	75.8	80.0	77.8
Viscosity, cSt @ 100° C	D-445	-	-	7.4
Viscosity, SUS @ 100° F	D-2161	400	420	415
Viscosity, SUS @ 210° F	D-2161	-	-	48.2
Gravity, API, 60° F	D-4052	19.4	23.8	21.6
Specific Gravity, 60/60° F	D-1250	-	-	0.9242
Pounds per Gallon @ 60° F	D-1250	-	-	7.696
Flash, COC, °C (°F)	D-92	188 (370)	-	195 (385)
Pour Point, °C (°F)	D-97	-	-26 (-15)	-32 (-25)
Color	D-1500	-	2.0	L 1.5
Aniline Point, °C (°F)	D-611	-	-	83 (181)
Molecular Weight	D-2502	-	-	400
Viscosity-Gravity Constant	D-2501			0.872
Refractive Index @ 20° C	D-1747	-	-	1.509
Ring Carbon Distribution				
Aromatic Carbon Atoms, %Ca	D-2140			18
Naphthenic Carbon Atoms, %Cn	D-2140	-	-	35
Paraffinic Carbon Atoms, %Cp	D-2140			47
Fractions by Clay-Gel Absorption				
Asphaltenes, Mass %	D-2007			0.0
Polar Compounds, Mass %	D-2007	-	-	0.85
Aromatics, Mass %	D-2007			37.50
Saturates, Mass %	D-2007			61.65
Sulfur, Mass %	D-4294	-	-	0.07
UV Absorptivity, 260 NM	D-2008	-	-	4.4
Volatility, 22 hr/225° F, % Mass	D-972	-	-	2.4
DMSO Extract, wt. %	IP-346	-	3.0	< 3.0

The information on this Product Data Sheet is believed to be accurate and is typical of current production. Specifications are subject to change without notice.

Health And Safety Information See separate Safety Data Sheets available on request.

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