

CORSOL SERIES

PROCESS OILS

Cross Corisol® Series are severely hydro treated naphthenic process oils manufactured from select crude streams. The Cross Corisol® Series oil offers low pour points, good solvency, and color stability. The Corisol® Series are ideal for production blending, adhesives, plastics and extended rubber.

Property	METHOD ASTM	35	40	60	100	150	200	300	500	750	2000	2400
Viscosity, cSt @ 40C	D445	2.81	4.16	9.97	19.8	29.8	41.2	59.8	98.6	143.47	373.58	441.70
Viscosity, cSt @ 100C	D445	1.16	1.45	2.44	3.54	4.61	5.42	6.8	8.9	10.35	19.43	21.92
Viscosity, SUS @ 100F	D2161	35.8	40.5	61.6	105.2	156.0	214.8	313.3	523.1	772	2044	2421
Viscosity, SUS @ 210F	D2161	-	-	-	38.3	41.8	44.5	49.0	56.4	61.6	99.1	110.2
Gravity, API	D4052	31.9	30.1	26.9	25	24.1	23.3	22.1	21.4	20.7	21.0	21.0
Gravity, Sp., 15.6°C (60 °F)	D1250	0.8751	0.8756	0.8933	0.9402	0.9094	0.9141	0.9165	0.9218	0.9297	0.9279	0.9279
Weight, Lb./Gal.	D1250	7.287	7.294	7.442	7.553	7.576	7.612	7.635	7.680	7.742	7.727	7.727
Flash, °C / °F	D92	96 (205)	126 (259)	153 (307)	165 (329)	175 (347)	184 (363)	194 (381)	211 (412)	215 (420)	224 (435)	224 (435)
Color	D1500	L 0.5	L 0.5	L 0.5	L 1.0	L 1.0	L 1.5	L 1.5	L 1.5	L 1.5	L 3.5	L 3.0
Pour Point, °C / °F	D97	-68 (-90)	-68 (-90)	-57 (-70)	-46 (-45)	-37 (-35)	-34 (-30)	-32 (-25)	-21 (-6)	-18 (0)	-4 (+25)	-2 (+28)
Aniline Point, °C / °F	D611	60 (140)	61 (142)	67 (153)	74 (165)	77 (171)	79 (174)	82 (180)	84 (183)	86 (187)	98 (208)	99 (210)
Molecular Weight	D2502	-	-	240	295	335	345	390	405	405	500	525
Refractive Index @ 20 C	D1747	1.4805	1.483	1.498	1.498	1.498	1.508	1.508	1.510	1.514	1.510	1.511
Refractivity Intercept		1.045	1.041	1.046	1.043	1.040	1.051	1.047	1.047	1.052		
Carbon Type Analysis	D2140											
Ca % Weight		15	9	16	17	17	17	18	19	19	17	19
Cn % Weight		55	57	42	41	37	36	35	35	34	35	24
Cp % Weight		31	34	42	42	46	47	47	46	47	48	57
Clay-Gel Analysis, % Wt.	D2007											
Asphaltenes		0	0	0	0	0	0	0	0	0	0	0
Polars		0.07	0.05	0.10	0.35	0.50	0.60	0.60	0.90	0.95	2.9	3.2
Aromatics		20.73	27.6	29.9	30.2	32.0	32.4	35.1	40.5	42.00	40.2	40.4
Saturates		79.20	72.35	70.0	69.45	67.5	67.0	64.1	58.6	57.05	56.9	56.4
Sulfur, % Weight	D4294	13.1	0.01	0.03	0.04	0.04	0.05	0.06	0.08	0.08	0.10	0.20
UV Absorptivity, 260 nm	D2008	0.13	0.06	0.40	2.5	3.0	3.6	3.9	5.5	6.0	6.8	7.2
Volatility, % Wt	D972	56.0	46.0	15.0	8.0	6.1	5.0	3.0	1.8	1.0	0.3	0.3
DMSO Extract, wt. %	IP-346	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 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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