

ALIPHATIC SOLVENTS TYPICAL PROPERTIES

PHYSICAL PROPERTIES	METHOD	ALIPHATIC SOLVENTS												LOW VAPOR PRESSURE SOLVENTS			ISOPARAFFINIC SOLVENTS							
		HP Isohexane	Hexane	150-190 <1%	180-210 <1%	195-208 <1%	200-230 <1%	210-245 <1%	VM&P <1%	Mineral Spirits <1%	300-360 <1%	142 Flash <1%	600 Solvent	LVP 100	LVP 200	LVP 300	Conosol C-145	Conosol C-170	Conosol 170 ES	Conosol C-200	Conosol C-215	Conosol 260	Conosol 340	
API Gravity @ 60 °F	ASTM D4052	82.1	75.1	72.3	62.3	67.9	62.3	61.8	59.4	53.1	52.2	54.7	49.3	40.2	45.9	42.9	41.5	48.0	42.5	40.1	42.5	48.7	39.9	34.6
Density @ 60 °F (Pounds Per Gallon)	ASTM D1250	5.522	5.709	5.788	6.087	5.916	6.088	6.103	6.180	6.385	6.422	6.337	6.524	6.869	6.649	6.766	6.792	6.563	6.770	6.865	6.770	6.533	6.873	7.092
Flash Point TCC (T), COC (C) PMCC (P) (°F)	ASTM D56 ASTM D92 ASTM D93	-	-	-	16 (T)	18 (T)	32 (T)	32 (T)	62 (T)	104 (T)	115 (T)	102 (T)	152 (T)	272 (C)	201 (P)	242 (P)	256 (C)	148 (T)	178 (P)	183 (P)	212 (P)	208 (P)	285 (P)	341 (C)
Color, Saybolt	ASTM D156	30	30	30	30	30	30	30	30	30	30	30	30	25	30	30	30	30	30	30	30	30	30	30
Refractive Index @ 25 °C	ASTM D1218	-	-	-	-	-	-	1.4033	1.4087	1.4242	1.4245	1.4786	1.4297	1.4538	1.4380	1.4460	1.4495	1.4347	1.4466	1.4507	1.4437	1.4510	1.4536	1.4658
Aromatics (Vol. %)	ASTM D1319	<1.0	<1.0	0.2	<1.0	<1.0	<1.0	<1.0	<1.0	8.8	<1.0	<1.0	<1.0	5.8	<1.0	<1.0	<1.0	<0.5	<0.5	5	0.26	0.20	0.30	0.28
Distillation, IBP (°F)	ASTM D86	133	151	152	180	196	207	209	249	307	324	307	371	516	431	485	512	377	400	406	434	432	519	599
Distillation, 50% (°F)	ASTM D86	138	155	162	183	200	214	218	266	343	360	327	385	542	444	502	542	397	433	452	460	462	550	611
Distillation, Dry Point (°F)	ASTM D86	143	163	186	195	208	237	245	295	404	405	361	412	583	474	538	590	459	508	512	519	503	596	642
Specific Gravity @ 60/60 °F	ASTM D1250	0.6623	0.6847	0.6942	0.7301	0.7095	0.7302	0.7320	0.7412	0.7666	0.7702	0.7601	0.7826	0.8239	0.7975	0.8115	0.8183	0.7883	0.8132	0.8245	0.8131	0.7845	0.8237	0.8518
Aniline Point (°F)	ASTM D611	-	144.6	141.5	144.6	146.2	136.4	139.9	152.8	152.2	163.5	131.2	171.2	182.0	172.8	179.5	191.5	162.3	165.2	157.6	168.2	188.6	191	189.8
Kauri-Butanol Value	ASTM D1133	29	29.3	32.6	39.1	31.9	33.6	34.1	32.4	33.8	30.8	32.7	32.8	24.3	26.7	25.0	23.1	28.4	31.6	32.8	28.8	24.4	23.8	21.7
Pour Point (°F)	ASTM D97	-	-	<-85	<-85	<-85	<-70	<-70	<-70	<-60	<-60	<-60	-60	14	-27	-9	-1	<-80	<-80	-50	-40	-42	-30	-30
Viscosity @ 40 °C (cSt)	ASTM D445	-	-	-	-	-	-	-	-	-	-	-	-	3.56	1.91	2.80	3.67	1.46	2.08	2.15	2.30	2.01	3.74	7.86
Meets CARB Requirements	Method 310	-	-	-	-	-	-	-	-	-	-	-	-	Yes	Yes	Yes	Yes	-	-	-	Yes	Yes	Yes	Yes
Vapor Pressure @ 20 °C (mm Hg)	ASTM D2879	-	-	-	-	-	-	-	-	-	-	-	-	0.03	0.11	0.03	0.02	-	-	-	0.10	0.10	0.01	<0.01
Flammable		√	√	√	√	√	√	√	√	√	√	√												
Combustible																		√	√	√				
Non-Hazardous														√	√	√	√				√	√	√	√

TECHNICAL ASSISTANCE

If you have questions regarding these products or their technical specifications, please contact your sales representative or Calumet Technical Services at 1-800-437-3188 or technical@clmt.com.

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