

CALPAR™

PARAFFINIC BASE OILS

Calumet produces a full line of paraffinic base stocks. For more than 30 years, our CALPAR™ products have been manufactured using select paraffinic crude streams. This process offers the unique ability to produce paraffinic base stocks that meet currently established and future performance standards.

The CALPAR product line offers a broad range of viscosities available from 60 SUS @ 100 °F to bright stock making them ideal across a broad range of industrial and automotive applications.

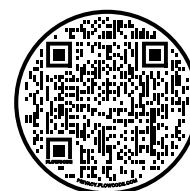
TYPICAL PROPERTIES

PROPERTIES	METHOD	60	75	100	325	600	2500
Viscosity @ 100 °F (SUS)	D2161	51.3	74.3	111.4	330.3	640.5	2641.2
Viscosity @ 210 °F (SUS)	D2161	33.4	36.8	40.3	53.9	69.4	155.3
Viscosity @ 40 °C (cSt)	D445	7.3	13.2	21.3	63.7	122.1	484.5
Viscosity @ 100 °C (cSt)	D445	2.1	3.1	4.2	8.2	12.4	31.7
Viscosity Index	D2270	71	93	95	97	92	96
API Gravity @ 60 °F	D4052	36.2	34.6	32.7	30.4	28.4	27.0
Flash Point (°C)	D92	159	194	207	250	261	316
Flash Point (°F)	D92	318	382	406	481	502	600
Pour Point (°C)	D97	-49	-18	-19	-12	-13	-7
Pour Point (°F)	D97	-57	0	-2	10	9	20
Color, ASTM	D1500	L0.5	L0.5	L0.5	L1.0	L2.0	L3.5
Aniline Point (°C)	D611	91.6	99.5	102.4	114.0	117.0	133.1
Aniline Point (°F)	D611	196.9	211.2	216.4	237.0	243.0	271.5
Saturates (Mass %)	D2007	94	94.9	92.1	92.3	86.7	87.0
Sulfur (Mass %)	D4294	0.0007	0.0007	0.0021	0.0050	0.0075	0.0087

APPLICATIONS

- Hydraulic Oils
- Heavy Duty Lubricants
- Transmission Fluids
- Process Oils
- Greases

Calumet can custom blend to meet specific customer requirements.



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TECHNICAL ASSISTANCE

For product or technical questions, contact your Sales Representative or Calumet Product Support at (800) 437-3188 or email technical@calumet.com.

Calumet's sampling and testing procedures in effect at the time of production will be used for certification testing. Results may be based on tank certification, manufacturing data, periodic testing and/or most recent product restock. Typical values only represent the values one would expect if the property were tested in our laboratories with our test methods on the specified date. Some product properties are not frequently measured, and accordingly typical values are not based on a statistically relevant number of tests. The information in this document relates only to the named product. The user is solely responsible for all determination regarding any use and any process.