

PURE PERFORMANCE® BASE OILS | SPECIFICATIONS



Property	ASTM Method	Min/Max/Typical	BASE OIL			
			70N	110N	225N	600N
Gravity, °API	D 4052		34-36	---	---	---
Viscosity						
cSt @ 40°C	D 445	Min/Max	11.5-14.1	---	---	---
cSt @ 100°C	D 445	Min/Max	---	4.07-4.25	6.38-6.58	11.80-12.62
Cold Crank Simulator	D 5293					
cP @ -30°C		Max	1300	---	---	---
cP @ -25°C		Max	---	1350	---	---
cP @ -20°C		Max	---	---	2800	---
Viscosity Index	D 2270	Min		105	100	95
Pour Point, °F	D 5950	Max	-17	10	10	10
Pour Point, °C	D 5950	Max	-27	-12	-12	-12
Flash Point, °F	D 92	Min	350	390	420	500
Flash Point, °C	D 92	Min	177	199	216	260
Color, ASTM	D 1500	Max	0.5	0.5	0.5	0.5
% Volatility - NOACK	D 5800	Max	---	22.0	12.0	---
% Volatility - ASTM						
% @ 630°F	D 7213	Max	5.0	---	---	---
% @ 700°F	D 7213	Max	---	10.0	5.0	---
% @ 800°F	D 6352	Max	---	---	---	5.0
Composition						
% Saturates	UV Correl	Min	99.0	99.0	99.0	99.0

PURE PERFORMANCE® BASE OILS | TYPICAL VALUES



Property	ASTM Method	Min/Max/Typical	BASE OIL			
			70N	110N	225N	600N
Gravity, °API	D 4052		35.1	35.6	32.9	30.2
Viscosity						
cSt @ 40°C	D 445	Typical	12.2	20.2	40.8	113.0
cSt @ 100°C	D 445	Typical	3.03	4.2	6.4	12.1
SUS @ 100°F	D 2161	Typical	74	106	210	593
SUS @ 210°F	D 2161	Typical	36	40	48	68
Cold Crank Simulator	D 5293					
cP @ -30°C		Typical	1000	---	---	---
cP @ -25°C		Typical	---	1178	---	---
cP @ -20°C		Typical	---	---	2700	---
Viscosity Index	D 2270	Typical	92	110	106	97
Pour Point, °F	D 5950	Typical	-22	7.5	6.7	8.7
Pour Point, °C	D 5950	Typical	-30	-14	-14	-13
Flash Point, °F	D 92	Typical	376	421	459	511
Flash Point, °C	D 92	Typical	191	216	237	266
Color, ASTM	D 1500	Typical	<0.5	<0.5	<0.5	<0.5
% Volatility - NOACK	D 5800	Typical	---	20.9	9.0	---
% Volatility - ASTM						
% @ 630°F	D 7213	Typical	3.5	---	---	---
% @ 700°F	D 7213	Typical	---	8.1	1.0	---
% @ 800°F	D 6352	Typical	---	---	---	4.0
Composition						
% Saturates	UV Correl	Min	>99.0	>99.0	>99.0	>99.0