

SPECIFICATIONS & TYPICAL PROPERTIES

aramco BASE OILS MANUFACTURED IN THE USA

aramcoPRIMA®

aramcoULTRA®

		aramcoPRIMA 60		aramcoPRIMA 100		aramcoPRIMA 220		aramcoPRIMA 600		aramcoULTRA 4		aramcoULTRA 6	
Sales Code		500009293		500009291		500009290		500009292		500009294		500009295	
Parameter	Method	Code 7249		Code 7239		Code 7234		Code 7242		Code 7248		Code 7250	
		Spec	Typical	Spec	Typical	Spec	Typical	Spec	Typical	Spec	Typical	Spec	Typical
API Base Stock Group (API 1509 E.1.3)				Group II		Group II		Group II		Group III		Group III	
Viscosity, Kinematic													
cSt @ 100°C	D445		2.61	3.8 min	4.37	6.1 min	6.49	11.7 min	12.0	4.0 - 4.5	4.41	5.8 - 6.2	5.89
cSt @ 40°C	D445	9.0 - 11.0	10.63	18.0 - 22.0	21.4	40.0 - 46.0	42.3	107 - 120	109	Report	20.5	Report	32.4
SUS @ 100°F	Calculated		64		112		218		569		107		166
Viscosity Index				95 - 119	113	95 min	104	95 min	98	120 min	128	120 min	127
Sulfur, ppm	D2622	300 max	< 10	300 max	< 20	300 max	< 10	300 max	< 25	Report	< 10	Report	< 10
Aromatics, wt %	Motiva	2.0 max	1.0	2.0 max	< 1	2.0 max	1.5	7.0 max	6.0	Report	< 1.0	Report	< 1.0
Volatility													
NOACK, wt%	D5800 (B)			19.0 max	18.1	13.0 max	10.4		2.4	15.5 max	14.4	8.5 max	7.4
GC, Sim Dist at 700°F, %	D6417			10.0 max	5.1	7.0 max	4.25		0.4				
Dynamic Viscosity													
CCS @ -30°C ⁽¹⁾ , cP	D5293									1,600 max	1,534	Report	4,084
CCS @ -25°C, cP	D5293			1,550 max	1,211								
CCS @ -20°C, cP	D5293					3,900 max	3,087						
Brookfield ⁽²⁾ @ -40°C, cP	Motiva				16,010								
Appearance		Visual	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright
Color, ASTM	D1500			1.0 max	L0.5	1.0 max	L0.5	1.0 max	L0.5	L0.5	L0.5	L0.5	L0.5
Color, Saybolt	D156	Report	+30										
Pour Point, °C	D5950	-33 max	-35	-12 max	-16	-12 max	-15	-12 max	-21	-15 max	-20	-15 max	-21
Flash Point, COC, °C	D92	170 min	172	199 min	217	216 min	226	250 min	263	210 min	220	220 min	237
API Gravity, °API	D4052	Report	32.1	Report	35.5	Report	32.3	Report	30.4	Report	37.6	Report	36.2
Specific Gravity, 60/60°F	D4052		0.8650		0.8471		0.8640		0.8740		0.8367		0.8438

⁽¹⁾CCS @ -30°C targeted to max limits: aramcoULTRA 6 4,800 cP

⁽²⁾Product tested with 0.25wt% PPD. Brookfield targeted to limit of 19,000 cP for aramcoPRIMA 100

Note - for SI units
1 mm²/s = 1 cSt
1 mPa•s = 1 cP

Effective 01/02/2025