



**Polyalphaolefin (PAO) 8 cSt - Option A**  
**PRODUCT INFORMATION**  
**(Axxess PAO 8 – Option A)**

Routine Properties	Specification Range	Test Method
Viscosity cSt 100°C	7.7 – 8.0	ASTM D-445
Viscosity cSt -40°C	24,000 max	ASTM D-445
Pour Point °C	-50 max	ASTM D-97
Flash Point °C	245 min	ASTM D-92
Specific Gravity 15.6/15.6°C (60/60°F)	0.830 – 0.834	ASTM D-4052
Bromine Number, g Br <sub>2</sub> /100g	0.4	IP-129
Total Acid Number, mg KOH/g	0.01	ASTM D-974
Moisture, ppm	25 max	ASTM D-3401
Noack Volatility 250°C, 1 hr, %wt., Evap	4.0 max	DIN 51581
Color	0.5 max	ASTM D-1500
Typical Properties	Typical	Test Method
Appearance	Clear & Bright	Observation
Viscosity, cSt, 40°C	45 - 49	ASTM D-445
Viscosity, cSt, 125°C	4.9	ASTM D-445
Viscosity, cSt, 150°C	3.3	ASTM D-445
Viscosity, cSt, 200°C	2.1	ASTM D-445
Viscosity, cSt, -18°C	1,605	ASTM D-445
Viscosity Index	136	ASTM D-2270
Density (lb/gal)	6.93	
Molecular Weight	596	GC (Calculated)
DSC, Oxidative Onset Temperature, °C	191	
DSC, Energy kJ/g	13.8	
Aniline Point, °C (F°)	123.3 (254)	
Dielectric Constant, 23°C, 1.0 & 1000 KHz	2.122	

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