



**Polyalphaolefin (PAO) 4 cSt
PRODUCT INFORMATION
(Axxess PAO 4)**

Routine Properties	Specification Range	Test Method
Viscosity cSt 100°C	3.8 – 4.1	ASTM D-445
Viscosity cSt -40°C	2,800 Max	ASTM D-445
Pour Point °C	-65 max	ASTM D-97
Flash Point °C	204 min	ASTM D-92
Specific Gravity 15.6/15.6°C (60/60°F)	0.810 – 0.830	ASTM D4052
Bromine Number, g Br ₂ /100g	0.4 Max	IP-129
Total Acid Number, mg KOH/g	0.01 Max	ASTM D-974
Moisture, ppm	25 Max	ASTM D-3401
Noack Volatility 250°C, 1 hr, %wt., Evap	14.0 max	DIN 51581
Color	0.5 Max	ASTM D-1500
Typical Properties	Typical	Test Method
Appearance	Clear / Bright	Observation
Viscosity, cSt, 40°C	16 – 18.5	ASTM D-445
Viscosity, cSt, 125°C	2.6	ASTM D-445
Viscosity, cSt, 150°C	1.9	ASTM D-445
Viscosity, cSt, 200°C	1.3	ASTM D-445
Viscosity, cSt, -18°C	341	ASTM D-445
Viscosity Index	124	ASTM D-2270
Brookfield Viscosity, cP, -40°C	2,100	
Cold Cranking Simulator, cP, -25°C	490	
Density (lb/gal)	6.81	
Molecular Weight	443	CG (Calculated)
DSC, Oxidative Onset Temperature, °C	192	
DSC, Energy kJ/g	12.1	
Aniline Point, °C (F°)	116.7 (242)	ASTM D-611
Dielectric Constant, 23°C, 1.0 & 1000 KHz	2.102	

Date 1/15/2010

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