

Durasyn[®] 162 Polyalphaolefin

Durasyn[®] 162 polyalphaolefin is a hydrogenated synthetic hydrocarbon base fluid for use in fully and partially synthetic, premium, long-drain lubricating oils, industrial oils, hydraulic fluids, transmission fluids, or heat transfer fluids.

Features:

Thermal stability
Oxidation resistance
Low-temperature fluidity
Low volatility
High viscosity index

Table 1: Routinely Measured and Typical Properties

ROUTINELY MEASURED PROPERTIES	TYPICAL	TEST METHOD
Viscosity, cSt, 100°C	1.7	ASTM D-445
Viscosity, cSt, 40°C	5.4	ASTM D-445
Viscosity, cSt, -40°C	262	ASTM D-445
Pour Point, °C	-59	ASTM D-97
Flash Point, °C	157	ASTM D-92
Specific Gravity, 15.6/15.6°C (60/60°F)	0.798	ASTM D-4052
Bromine Number, g Br ₂ /100 g	0.2	IP-129
Total Acid Number, mg KOH/g	<0.01	ASTM D-974
Moisture, ppm	14	ASTM D-3401
Color	<0.5	ASTM D1500
Decene (C ₁₀) Monomer, % wt.	0.3	GC
Appearance	Clear/bright	Observation
TYPICAL PROPERTIES*		
Viscosity, cSt, 125°C	1.4	ASTM D-445
Viscosity, cSt, 150°C	1.1	ASTM D-445
Viscosity, cSt, 200°C	0.73	ASTM D-445
Viscosity, cSt, -18°C	62.0	ASTM D-445
Noack Volatility, 250°C, 1hr,%wt. Evap.	99	CEC L 40-A-93
Density (lb/gal)	6.65	
Dielectric Constant, 23°C, 1.0 and 1,000 KHz	2.076	
Molecular Weight	287	GC (Calculated)
Refractive Index	1.445	ASTM D-1218

*Note: Not a Sales Specification. Data based upon testing of randomly selected lots of product

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