



ClearGuard LLC
The Next-Generation in Dielectric Oils



BaseGuard Pro 60- Specification

BaseGuard Pro™ oil is refined using Hydrodec's patented hydrogenation process to produce a naphthenic oil product with a light color and low odor, suitable for a wide range of industrial applications.

Test Description	Test Method	Specification Limits		Typical Values
		Min	Max	
Physical				
Aniline Point, (°C)	ASTM D611	63		72
Color	ASTM D1500		0.5	L 0.5
Color - Saybolt (units)	ASTM D156			22
Flash Point, (°C/°F)	ASTM D92	145/293		155/311
Pour Point, (°C)	ASTM D97		-40	-57
Specific Gravity @ 60°F	ASTM D4052		0.910	0.884
API Gravity @ 60°F	ASTM D287			31.1
Viscosity @ 100°F, (SUS)	ASTM D2161		65.000	53
Viscosity @ 210°F, (SUS)	ASTM D2161			33
Viscosity @ 100°C, (cSt)	ASTM D7042		3.00	2.34
Viscosity @ 40°C, (cSt)	ASTM D7042		12.00	9.16
Viscosity @ 0°C, (cSt)	ASTM D7042		76.0	58.97
Appearance	ASTM D1524	Clear and Bright		
Volatility @ 225°F, (wt%)	ASTM D972			0.62
Distillation Range, (°F)	ASTM D86			
IBP				420
5%				510
50%				630
95%				750
FBP				850

Chemical				
Clay Gel Absorption, (wt%)	ASTM D2007			
Asphaltenes				0.8
Polar Compounds				2.2
Aromatics				20
Saturates				77
Carbon Type Analysis, (%)	ASTM D2140			
CA				5
CN				51
CP				44
Copper Strip Corrosion, 3 hours @ 100°C	ASTM D130	Pass		Pass
Sulphur Content, (mg/kg)	ASTM D4294			212
Water Content, (mg/kg)	ASTM D1533		50.0	15.0
Acid Number, (mg KOH/g)	ASTM D974		0.03	<0.01

Health Safety and Environment				
Polycyclic Aromatic Compounds, (wt %)	IP 346		3	<3.0
Modified Ames Assay	ASTM E1687		Pass	Pass

USC-PSM-REF-005

Issued February 2025

Specification subject to periodic revision. Please contact ClearGuard LLC directly to ensure you have the latest version.

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