



## SUNOCO NAPHTHENIC PROCESS OIL 100

### OVERVIEW

Sunoco Naphthenic Process Oil 100 is a severely hydrotreated naphthenic process oil. This premium product has a low pour point, low odor, is very light in color and is highly resistant to discoloration.

### FEATURES & BENEFITS

Sunoco Naphthenic Process Oil 100 has an excellent aniline point making it suitable for many processes and metalworking purposes. Its highly refined nature ensures excellent purity and its clear color will limit tinting of finished materials. Sunoco Naphthenic Process Oil 100 has a low odor for worker friendliness.

### APPLICATIONS

Sunoco Naphthenic Process Oil 100 is used in compound blending, metalworking, manufacturing, rubber and tire production and other industrial processes.

### TYPICAL PROPERTIES

TEST DESCRIPTION	TEST METHOD	SPECIFICATIONS MIN	SPECIFICATIONS MAX	TYPICAL VALUES
<b>Physical Properties</b>				
Viscosity, SUS at 100°F (37.8°C)	ASTM D2161	108	131	126
Viscosity, SUS at 210°F (98.9°C)	ASTM D2161			39.5
Viscosity, cSt at 40°C (104°F)	ASTM D445	20.5	25.0	24.0
Viscosity, cSt at 100°C (212°F)	ASTM D445			3.9
API Gravity, 60°F (15.6°C)	ASTM D1250			23.6
Specific Gravity, 60°F (15.6°C)	ASTM D4052			0.9122
Viscosity-Gravity Constant	ASTM D2501			0.873
Density, lbs/gal at 60°F	ASTM D1250			7.598
Density at 15.6°C, g/cm <sup>3</sup>	ASTM D1250			0.9114
Molecular Weight	ASTM D2502			307
Flash Point, COC, °F (°C)	ASTM D92	325 (163)		350 (177)
Flash Point, PMCC, °F (°C)	ASTM D93	304 (151)		338 (170)
Color, ASTM	ASTM D6045		0.1	L0.5
Pour Point, °F (°C)	ASTM D5949		-30 (-34)	-55 (-48)
Water Content	ASTM D7546M	PASS	PASS	PASS
Appearance	ASTM D4176M	PASS	PASS	PASS
<b>Chemical Properties</b>				
Acid Number, mg KOH/g	ASTM D664		0.05	0.05
Aniline Point, °F (°C)	ASTM D611	158 (70)	176 (80)	171 (77)
Sulfur, ppm	ASTM D4294		750	570
<b>Health and Safety Properties</b>				
Polycyclic Aromatic Compounds, wt%	IP 346		3	under 3
Modified Ames Assay, MI	ASTM E1687		1	under 1
FDA Regulation	21 CFR 178.3620 (C)	PASS	PASS	PASS