



Product Literature

ISO 9001:2008 REGISTERED

STAN-LUBE/DUOPRIME® SPECIALTY TECHNICAL AND FOOD GRADE PARAFFINIC WHITE OILS

Stan-Lube Technical products are all clean Technical Grade white oils that can be used in very color critical applications. These products are FDA regulated under 21 CFR 178.3620(b).

The Duoprime 350 and associated Stan-Lube W line of products are produced using severe hydrogenation in a unique two-stage hydrotreating process and are food grade white mineral oils. These products are FDA regulated under 21 CFR 172.878 and 178.3620(a). They also meet current standards of National Formulary and US Pharmacopeia (USP) registered as 3H and H1 lubricants. In addition, Duoprime 350 is certified to ANSI/NSF Standard 60. Duoprime 350 and the Stan-Lube W series products can all be used in color critical as well as food contact applications.

TYPICAL PROPERTIES OF STAN-LUBE WHITE MINERAL OILS

<u>Properties</u>	<u>6006</u>	<u>6056</u>	<u>60-T</u>	<u>90-T</u>	<u>220-T</u>	<u>350-T</u>
Viscosity, SUS @ 40°C	73	570	62	90	220	350
Viscosity, cst @ 40°C	-	-	10	16.5	43	68
API Gravity, 15°C	34.8	30	-	-	-	-
Specific Gravity 60°C/60°F	0.84	0.87	0.87	0.86	0.87	0.87
Color, Saybolt	+30	+30	+28	+28	+28	+28
Flash Point (°C) COC	185	263	174	177	216	216
Pour Point (°C)	-25	-20	-33	-12	-12	-12

Technical Grade White Mineral Oils meet the requirements of US FDA regulation 21CFR 178.3620 (b)

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**TYPICAL PROPERTIES OF STAN-LUBE/DUOPRIME FOOD GRADE
WHITE MINERAL OILS**

<u>Properties</u>	<u>DUOPRIME 350</u>	<u>70-W</u>	<u>90-W</u>	<u>100-W</u>	<u>130-W</u>	<u>180-W</u>	<u>220-W</u>	<u>500-W</u>
Viscosity, SUS @ 40°C	350	70	90	105	130	180	220	500
Viscosity, Cstk @ 40°C	67.5	12.8	17	20	25	35	43	95
API Gravity, 15°C	30.5	33.3	33.3	33.8	33.2	32.3	31.8	31
Specific Gravity 60°C/60°F	0.87	0.86	0.86	0.86	0.86	0.86	0.87	0.87
Color, Saybolt	+30	+30	+30	+30	+30	+30	+30	+30
Flash Point (°C) COC	221	177	177	199	199	199	216	216
Pour Point (°C)	-22.4	-15	-12	-12	-12	-12	-12	-12

White Mineral Oils - Duoprime and Stan-Lube W Grades exceeds requirements for US FDA regulations 21CFR 172.878 and 21CFR 178.3620. Also meets current standards of the National Formulary(NF) and US Pharmacopeia(USP) and are registered as 3H and H1 lubricant for direct/indirect food contact by NSF. Duoprime 350 is certified to ANS/NSF Standard 60.