

ALLIED WHITE MINERAL OILS



Allied delivers directly to our customers through our dedicated infrastructure and efficient distribution system.

HIGHLY REFINED, COLOURLESS
AND ODOURLESS

PROPERTIES AND USES

Because of their high purity and unique properties, ALLIED White Mineral Oils find use in a wide variety of industries and applications including personal care products, cosmetics, pharmaceuticals, food processing and plastics.

Allied White Mineral Oils are highly refined, colourless and odourless.

CERTIFICATION CREDENTIALS

- USP¹ and NF¹ grades meet FDA 21 CFR 172.878 and FDA 21 CFR 178.3620(a) requirements for direct and indirect food contact
- Select PURETOL grades are NSF¹ 3H and/or HX-1 registered and are available for use as components in various food applications
- All PURETOL grades are Kosher Pareve and Halal certified

¹ USP (U.S. Pharmacopeia; mineral oil), NF (National Formulary; light mineral oil), NSF (NSF International)

DISTRIBUTION LOGISTICS

- Strategically located to deliver bulk shipments by rail, truck and marine globally to meet your needs
- Dedicated white oil infrastructure and distribution system

CUSTOM PRODUCT DEVELOPMENT

QUALITY

- Tailored specific solutions to meet customers' needs through custom product development
- ISO 9001, ISO/TS 16949 registered quality system
- ISO 14001 registered environmental management system

TYPICAL PERFORMANCE DATA

| Property | ASTM Test Method | PURETOL GRADE | | | | | | | | | | | | | | | | |
|---------------------------------|------------------|---------------|----------|-----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|---------|----------|----------|
| | | 6 | 7S | 8 | 9 | 10 | 11 | 13 | 15 | 19 | 21 | 22 | 35 | 38 | 55 | PSO 300 | PSO 380 | PSO 550 |
| Specific gravity @ 25°C | D4052 | 0.851 | 0.842 | 0.841 | 0.853 | 0.857 | 0.857 | 0.853 | 0.858 | 0.861 | 0.862 | 0.862 | 0.863 | 0.867 | 0.870 | 0.865 | 0.867 | 0.870 |
| Kinematic Viscosity @ 40°C, cSt | D0445 | 10.0 | 12.2 | 13.3 | 15.8 | 19.0 | 20.4 | 25.2 | 29.2 | 36.1 | 40.6 | 43.1 | 68.0 | 80.0 | 105 | 57.0 | 80.0 | 105 |
| Saybolt Viscosity @ 100°F, SUS | D2161 | 60 | 70 | 75 | 86 | 100 | 108 | 130 | 150 | 186 | 209 | 220 | 352 | 380 | 530 | 280 | 370 | 535 |
| Colour, Saybolt | D0156 | +30 | +30 | +30 | +30 | +30 | +30 | +30 | +30 | +30 | +30 | +30 | +30 | +30 | +30 | +30 | +30 | +30 |
| Pour Point, °C (°F) | D5950 | -24 (-11) | -20 (-4) | -27 (-17) | -21 (-6) | -18 (0) | -18 (0) | -18 (0) | -15 (5) | -15 (5) | -15 (5) | -15 (5) | -15 (5) | -12 (10) | -12 (10) | -15 (5) | -12 (10) | -12 (10) |
| Flash Point, COC, °C | D0092 | 175 | 190 | 192 | 193 | 196 | 210 | 212 | 216 | 220 | 232 | 237 | 250 | 252 | 268 | 243 | 252 | 268 |
| Flash Point, COC, °F | D0092 | 347 | 374 | 378 | 379 | 385 | 410 | 414 | 421 | 428 | 450 | 459 | 482 | 486 | 514 | 469 | 486 | 514 |
| GCD, 5%, °C | D2887 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 395 | 426 | 434 |

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