

RENOIL™ HIGH VISCOSITY WHITE MINERAL OILS



PRODUCT FEATURES

Renkert Oil produces a family of polymer and process oils for industrial and food contact applications.

These highly refined, clear, low volatility mineral oils have extremely high oxidation stability. Renoil High Viscosity Oils are chemically inert, nearly colorless, odorless and tasteless with very good UV stability.

APPLICATIONS

Renoil polymer oils are added to many plastics both as internal/external lubricants and polymer extenders/softeners.

Our food grade oils are formulated for producing:

- crystalline polystyrene (PS)
- high-impact polystyrene (HIPS)
- PVC
- polyolefins

Low volatility Renoil polymer oils are especially effective in manufacturing:

- thermoplastic elastomers (TPE)
- EPDM, both extending the material and improving its properties

Other applications include:

- mold release agent
- catalyst carrier oil
- pigment dispersing agent
- heat transfer oil
- low fogging plasticizer, especially for automotive interiors

Renoil High Viscosity White Mineral Oils:

- meet or exceed **U.S. Food and Drug Administration (FDA)** requirements
 - for food contact applications, 21 CFR 178.3620(a)
 - for direct use in food, 21 CFR 172.878
 - for applications where incidental food contact may occur, 21 CFR 178.3570
 - for use in animal feed, 21 CFR 573.680
 - for use as technical white oils, 21 CFR 178.3620(b)
 - for use as a plasticizer in polymeric substances, 21 CFR 178.3740
- meet all **U.S. Pharmacopeia (USP)** requirements for mineral oils
- meet all **Cosmetic, Toiletry, and Fragrance Association (CTFA)** requirements for white mineral oils
- meet all **Canadian Food Inspection Agency (CFIA)** requirements for white mineral oils
- are certified **Kosher, Pareve and Halal**
- meet all **European Pharmacopeia (EP)** requirements for mineral oils
- meet European packaging specifications for white mineral oils EU 10-2011

All trademarks are the property of Renkert Oil, LLC.

Renkert Oil, LLC

+1 (800) 423 6457 • +1 (610) 901 0025

www.RenkertOil.com

WHITE MINERAL OILS — CONTINUED



TEST DATA

High Viscosity White Mineral Oil

Typical Properties	Methods	Renoil 500-W	Renoil 1000-W	Renoil 1350-W	Renoil 1700-W
	ASTM				
Gravity API	D1298	30.6	30.2	30.0	29.9
Specific Gravity	D1298	0.8703	0.8753	0.8762	0.8768
Viscosity cSt @ 40C	D445	102	193	256	307.7
Viscosity cSt @ 100C	D445	11.70	18.1	21.9	24.8
Viscosity SUS @ 100F	D445	531	1015	1350	1631
Flash Point F (C)	D92	532(278)	523(273)	531(277)	536(280)
Pour Point F (C)	D5950	10(-12)	-4(-20)	-4 (-20)	-27(-33)
Color Saybolt	D156	+30	+30	+29	+28
Molecular Weight	D2502	528	627	658	680
Carbon Number	D2140	C38	C45	C47	C48
21CFR178.3620 (a)	FDA	Pass	Pass	Pass	Pass

Renkert Oil, LLC

+1 (800) 423 6457 • +1 (610) 901 0025

www.RenkertOil.com