

Specifications for **HYDROBRITE® PVC White Mineral Oil**

<u>PROPERTIES GUARANTEED</u>	<u>TEST METHOD</u>	<u>LIMITS</u>
SPECIFIC GRAVITY @ 25°C/25°C	ASTM D4052	0.860/0.880
KIN. VISCOSITY @ 100°C, cSt	ASTM D445	10.0/14.0
NEUTRALITY	USP (current revision)	PASS
READILY CARBONIZABLE SUBSTANCES	USP (current revision)	PASS
SOLID PARAFFIN	USP (current revision)	PASS
LIMIT OF POLYNUCLEAR COMPOUNDS	USP (current revision)	PASS
SULFUR COMPOUNDS	USP XVII	PASS
ODOR	LATM 092	NONE
COLOR, SAYBOLT	ASTM D156	30 Min.
REFRACTIVE INDEX @ 25°C	ASTM D1218	1.470/1.478
FLASH POINT, COC, °C	ASTM D92	254 Min.
POUR POINT, °C	ASTM D97	-9 MAX.
GC DISTILLATION, 5%, °C	ASTM D2887	430 Min.

HYDROBRITE PVC Oil is a Mineral Oil USP meeting requirements for USP (current revision) and FDA requirements as per 21 CFR 172.878 and 21 CFR 178.3620(a).

Supplemental Properties for Hydrobrite PVC Oil Not Guaranteed or Reported on Certificate Of Analysis

Supplemental Properties	Test Method	Typical	EU Limits
Average Molecular Weight	ASTM D2502	541	480 min.
Carbon Number at 5% Distillation Point	ASTM D2887	> 28	25 min.
Kin. Viscosity @ 100°C, cSt	ASTM D445	12.14	8.5

Application Information

Hydrobrite PVC Oil has been approved as a functional equivalent to paraffin wax in the PPI range formulations for high pressure PVC water pipe at concentrations of 1 to 2 phr. Hydrobrite PVC Oil has been added to TR-2 (PPI PVC Range Composition Listing of Qualified Alternative Ingredients). This product also has NSF International approval and has been listed under Witco Corporation in NSF version 12, issue January 15, 1999.

Hydrobrite PVC Oil serves as an excellent external lubricant for rigid PVC applications including pipe, siding, window profiles, fences and doors. As an external lubricant the oil helps reduce friction between the polymer and metal surfaces.

*A patent on Hydrobrite PVC Oil technology has been issued by the U.S. Patent Office.