

VISCHEM 400

Applications:

Vischem 400 is insoluble in most solvents, non-reactive with strong acids and alkalis, compatible with plastics, elastomers and most metals, is non-toxic and has a wide operating temperature range. Because of its unique properties Vischem 400 can be used in many areas of high technology including damping, hydraulic and heat transfer fluids, lubricating oil. It can also be used in environments of extreme corrosion, oxidation and radiation where conventional oils would fail to function.

TYPICAL PROPERTIES		TEST METHOD	DIN/ISO – Metric Units	US – Standard Units
Temperature Range			-54 °C to 149 °C	-65 °F to 300 °F
Viscosity	@ 0 °C / 32 °F	ASTM D-445	238 mm ² /s	1109.8 SUS
	@ 20 °C / 68 °F		60 mm ² /s	280.4 SUS
	@ 40 °C / 104 °F		22 mm ² /s	107 SUS
	@ 100 °C / 212 °F		3.9 mm ² /s	39 SUS
Viscosity Index		ASTM D-2270	70	
Surface Tension @ 20 °C / 68 °F		ASTM D-1331	19 dynes/cm	
Vapor Pressure @ 149 °C / 300 °F		Knudsen	1.3 mm Hg	
Pour Point		ASTM D-97	-54 °C	-65°F
Evaporation 22 hrs @ 121 °C / 250 °F		ASTM D-2595	9.0%	
Flash Point		ASTM D-92	None	
Refractive Index @ 20 °C / 68 °F		ASTM D-1218	1.295	
Copper Corrosion 24 hrs @ 100 °C / 212 °F		FED-STD-791 Method 5309	1A	
Specific Heat @ 38 °C / 100 °F			0.24 cal/g °C	
Autoignition Temperature		ASTM D-2155	Non-Flammable	
Specific Gravity		Mohr Westphal	1.88 g/ml	
LOX Impact Sensitivity 20 drops at 43.3"		ASTM D-2512	No Reactions	

07/12

HEALTH & SAFETY

To obtain an MSDS on this or any other Ultrachem product, please contact your representative.

TECHNICAL SUPPORT

To learn more about Ultrachem products and applications please contact us at info@ultracheminc.com



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