BREOX 75W 270

INTRODUCTION

BREOX 75W 270 is a diol started random propylene oxide / ethylene oxide copolymer manufactured to provide a viscosity of
272 cSt @ 40°C.

The high viscosity and low volatility of this product makes it very suitable neat for high temperature lubrication. It finds extensive application in polymer quenchants and water based hydraulic fluids, demonstrating excellent shear stability and providing good lubricity to the finished fluid. **BREOX 75W 270** is water soluble at temperatures below 75˚C and has two terminal hydroxyl groups.

In addition **BREOX 75W 270** is FDA compliant under 21 CFR sections 175.105, 176.180, 176.200, 176.210, 177.1200, 178.3120, 178.3570 and 178.3190, and may therefore be used in relevant applications where the potential for incidental food contact exists.

TYPICAL PHYSICAL PROPERTIES

		75W 270
Viscosity	**cSt @ 40ºC**	272
Viscosity	**cSt @ 100°C**	41
Viscosity Index	**ASTM D 2270**	207
Pour point, ºC	**ASTM D 97**	-1
Refractive Index	**$N^{20}D$**	1.45
Specific Gravity	**20 / 20ºC**	1.10
Flash Point, ºC	**COC**	250
Water Content	**% by wt**	<0.25
Specific Heat	**kJ / kg K**	1.95
Ash	**ASTM D 482**	<0.1
Equilibrium Water content	**At 65% RH and 21-28˚C**	4-6
Refractive Index	**$ND^{20}D$**	1.466

Remarks

Handling & Safety:
Storage:

The product can be stored for at least 2 years at ambient storage conditions and temperature without any deterioration.

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