



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 @ 40°C	272
Viscosity	cSt @ 100°C	41
Viscosity Index	ASTM D 2270	207
Pour point, °C	ASTM D 97	-1
Refractive Index	N ²⁰ D	1.45
Specific Gravity	20 / 20°C	1.10
Flash Point, °C	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.

Information provided in this technical literature is believed to be accurate. However, Cognis assumes no liability and makes no warranty or representation that the information is correct or complete. Final determination of suitability of any material and issues of patent infringement are the sole responsibility of the user who alone knows the conditions of intended use.

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