

BREOX 50A 680

INTRODUCTION

BREOX 50A 680 is water soluble monol initiated, ethylene oxide/propylene oxide co-polymers manufactured to provide a viscosity of 680 cSt @ 40°C.

These product finds extensive application when manufacturing and formulating various water soluble lubricants, for example:

- Gear, Bearing and Calender lubricants
- Compressor lubricants
- Metal working formulations

TYPICAL PHYSICAL PROPERTIES

		50A 680
Viscosity	cSt @ 40°C	680
Viscosity	cSt @ 100°C	117
Viscosity Index	ASTM D 2270	269
Pour point, °C	ASTM D 97	-39
Refractive Index	N²⁰D	1.46
Specific Gravity	20 / 20°C	1.06
Flash Point, °C	COC	230
Vapour Pressure	mm Hg 20°C	<0.001
Water Content	% by wt	<0.25
Specific Heat	kJ / kg K	1.95
Ash	ASTM D 482	<0.01
Surface Tension, 20°C	Dynes / cm	35 – 40

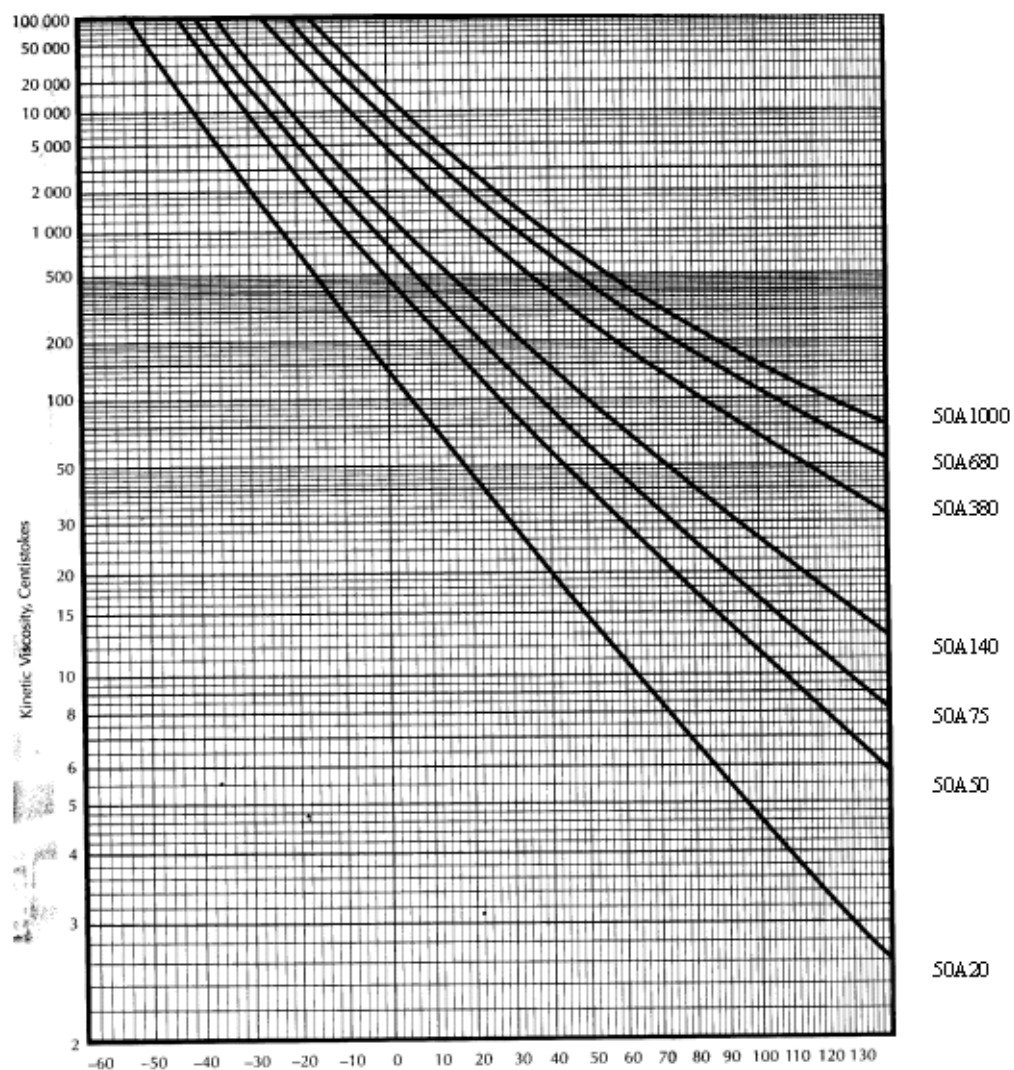
FDA COMPLIANCE

BREOX 50A 680 is FDA compliant and may therefore be used in relevant applicants where incidental food contact may occur. The table below summarises this in accordance with 21 CFR.

	50A 680
173.310	•

173.340	
175.105	•
176.200	
176.210	•
177.1200	
178.3120	•
178.3570	•
178.319 0	•

VISCOSITY vs. TEMPERATURE BEHAVIOUR



Remarks

Handling & Safety:

Storage:

Revision-No.

1.4-08.2004 Effective August 17, 2004

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

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