

BREOX B 125

INTRODUCTION

The **BREOX B-Series** are a range of monol initiated propylene oxide homo-polymers manufactured to provide a viscosity range from 15 to 335 cSt @ 40°C.

These products find extensive application when manufacturing and formulating various water insoluble lubricants for example:

- Gear and Calender lubricants
- Compressor lubricants
- Metal working formulations
- Textile lubricants

In addition the **BREOX B-Series** from B75 upwards are FDA approved under 21 CFR 178.3570 (Incidental contact with food) and can therefore be used in instances where the potential for food contamination exists.

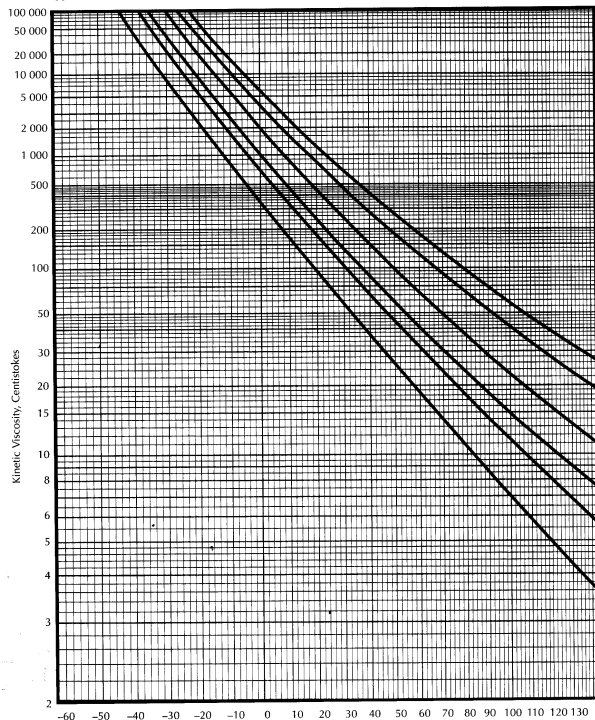
TYPICAL PHYSICAL PROPERTIES

		B 125
Viscosity	cSt @ 40°C	122
Viscosity	cSt @ 100°C	21.3
Viscosity Index	ASTM D 2270	200
Pour point, °C	ASTM D 97	-48
Refractive Index	N ²⁰ D	1.45
Specific Gravity	20 / 20°C	1.0
Flash Point, °C	COC	215
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

ELASTOMER PERFORMANCE

		B125
Natural	% Linear Swell	0.3
	Hardness Change	-2
Styrene Butadiene (SBR)	% Linear Swell	0.8
	Hardness Change	-2
Nitrile Butadiene (NBR)	% Linear Swell	-0.8
	Hardness Change	2
Isobutene Isoprene (IIR) 1	% Linear Swell	0
	Hardness Change	2
Isobutene Isoprene (IIR) 2	% Linear Swell	-1.6
	Hardness Change	5
Chloroprene	% Linear Swell	1.9
	Hardness Change	-4
Silicone	% Linear Swell	0
	Hardness Change	-2

VISCOSITY vs. TEMPERATURE BEHAVIOUR



Remarks

Handling & Safety:

Storage:

Revision-No.

3.2-08.2004 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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