

BSR 900

Viscosity Modifier

Description: BSR 900 is a polybutene based polymeric thickener viscosity modifier developed for use in a wide range of high viscosity, industrial lubricants and as an alternative to 150 bright stock. The fact that 150 bright stock is not produced by the current processes that produce Group II and Group III base oils leads to concerns about its future availability.

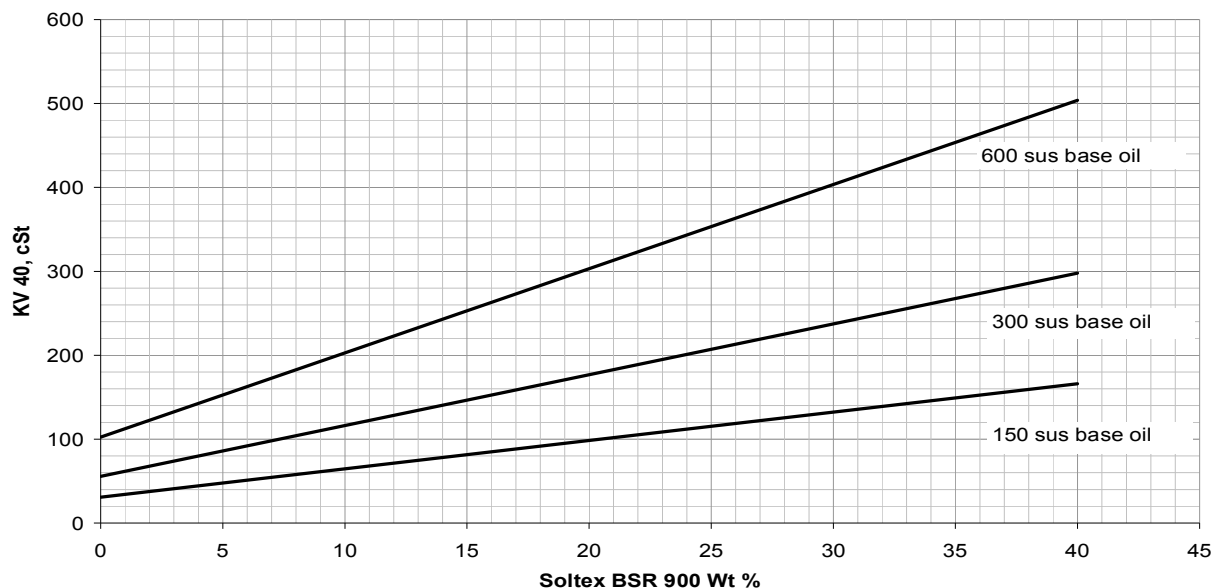
Benefits: Polybutene and polybutene based products are the materials of choice especially compared to PAO, PAG, and naphthenics as bright stock alternatives. BSR 900 specifically as a 150 brightstock alternative and as a viscosity modifier in general offers several key performance benefits including;

- Excellent thickening allowing for lower treat levels. The attached figures show the viscosities of BSR 900 blends in 150, 300 and 600 SUS base oils at 40 °C and 100 °C. Recommended treat levels are in the range of 5 to 40 % depending on desired viscosity of the finished lubricant.
- High shear stability to resist loss of thickening efficiency and performance during service.
- Superior oxidation resistance compared to naphthenic bright stock replacements.
- Lower cost than PAO and PAG
- Excellent solubility in all base oils, including synthetics, allowing for good clarity of the finished product.
- Gives greater viscosity index boost to the finished lubricant product than bright stock.

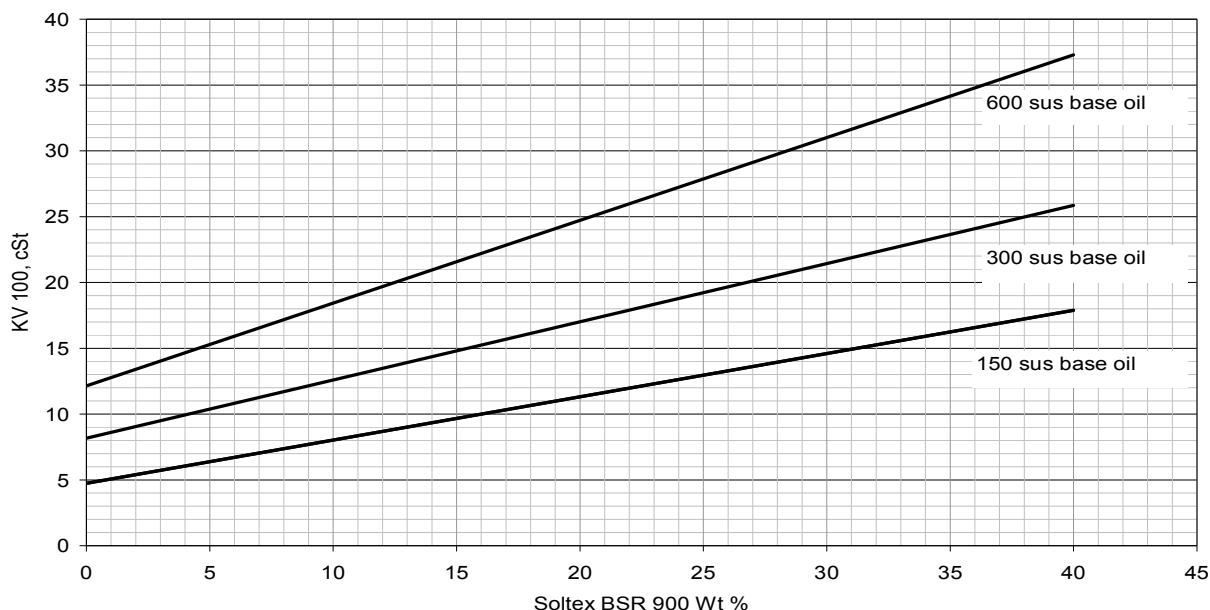
Typical Physical Properties			
Property	Unit	Test Method ASTM	Typical Data
Color		D 1500	< 2
Viscosity, 100 °C	cSt	D 445	900
Viscosity, 60 °C	cSt	D 445	7,000
Viscosity, 40 °C	cSt	D 445	27,500
Viscosity Index		D 2770	> 200
Moisture	ppm	D 1533	< 70
Flash Point, PMCC	°C	D 93	> 210
Specific Gravity		D 1298	0.90
Density	lb/gal	D 1298	7.50

TECHNICAL DATA SHEET

Soltex BSR 900 Blend Viscosity at 40 deg C



Soltex BSR 900 Blend Viscosity at 100 deg C



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