



**ATOM CHEMICALS**

## **VISCOSITY INDEX IMPROVER.**

**P-2507**

### **Description:**

A premium hydrogenated styrene-based polymer with outstanding shear stability and thickening efficiency combined with superior low temperature performance. Intended for use as a viscosity index improver in high quality automotive crank case lubricants.

### **Typical Characteristics:**

PROPERTY	VALUE	METHOD
Appearance	White Crumbs	-
Styrene %	37	Internal
K. Viscosity 1% 150N (5cSt) /100°C (cSt)	9.2	ASTM D445
K. Viscosity 1% 150N (26.9cSt) /40°C (cSt)	53.2	ASTM D445
Viscosity Index 1% 150N (VI 112)	156	ASTM D2170
Pour Point 1% 150N + 0.3% PPD21	>-30	ASTM 97
Permanent Shear Stability Index (PSSI, 30)	<5	ASTM D6022
CCS -30°C 1% 150N (mPa-s)	5900	ASTM D5293
MRV -40°C 1% 150N (mPa-s)	18300	ASTM D4684

\* Typical values only do not constitute a sales specification

### **Recommended Dosage:**

Polymers should be dissolved in oil under high agitation at 100°C-120°C for 4-8 hours until all solids have been dissolved. Treat rates of 4-6% w/w will be required depending upon viscosity requirement of the liquid VII and base oil used. Use with suitable PPD. For Further Assistance consult the Atom Chemicals technical department for specific recommendations.

### **Handling, Safety & Storage:**

Wear suitable Uniform with dust mask & gloves when handling polymers. Avoid storing polymers >30°C for prolonged periods, avoid direct sunlight.

### **Packaging:**

\*\* 18Kg. Bags & Rectangular Boxes. \*\*



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