



## SHAMAPRENE – 151

(VISCOSITY INDEX IMPROVER)

### Product Description:

Our **SHAMAPRENE-151** (Viscosity Index improver) is solid highly stable olefin co polymers (OCP) with narrow Molecular weight distribution intended for use as viscosity index improver and viscosity modifiers thickeners in mineral oil based automotive crank case lubricants and industrial lubricants.

### Typical Physical Properties :

PROPERTIES	VALUE	METHOD
Appearance	White Pellets	_____
Density	0.86	ASTM D792
Ethylene Content	72	ASTM D3900
K. Viscosity 10% SN150/100C (cSt)	802	ASTM D445
Pour Point 1% SN150 + 0.3% PPD21 (°C)	-27	ASTM 97
Shear Stability Index (SSI)	20-25	ASTM 6022
Ash Content (%)	<0.1	ASTM D1416
Volatiles (%)	<0.1	ASTM D1416

### Application :

**SHAMAPRENE-151** (Viscosity Index Improver) also known as Viscosity Modifier consists of additives that improve the viscosity temperature characteristics of the lubricant making the oils viscosity more stable as its temperature changes.

**SHAMAPRENE-151** (Viscosity Index Improver) is widely used in the lubricants field although engine oils represent their largest application. They are used to formulate multigrade oils.

### Packing :

Available in 25kg Bag



### Safety, Handling and Storage :

Wear suitable dust mask and gloves when handling polymers  
Avoid storing > 30° C for prolonged periods. Avoid direct sun light

### Manufactured and Marketed By :

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### *Analysis Report / Test Results :*

TEST	UNIT	TEST METHOD	RESULTS
K. Viscosity at 100°C (10% Polymer in SN 150)	cSt	ASTM D445	802
Shear Stability Index (1 wt% Polymer in SN 150)		ASTM 6022	15
Pour Point of SN 150	°C	ASTM 97	-9
Pour point of 10% Dilution of 10% VII Liquid in SN 150 – Without PPD	°C	ASTM 97	-9
Pour point of 10% Dilution of 10% VII Liquid in SN 150 – With 0.3% PPD 21	°C	ASTM 97	-27
Pour Point of SN 500	°C	ASTM 97	-6
Pour point of 10% Dilution of 10% VII Liquid in SN 500 – Without PPD	°C	ASTM 97	-6
Pour point of 10% Dilution of 10% VII Liquid in SN 500 – With 0.3% PPD 21	°C	ASTM 97	-15

The sample is tested in accordance with the test method as mentioned in report analysis. The sample was submitted by client solely for the testing.