



## SHAMAPRENE – 161 ( Viscosity Index Improver )

### Product Description :

Our Shamaprene – 161 ( Viscosity Index Improver ) are variety of 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 D 792
Ethylene Content	72	ASTM D 3900
K.Viscosity 10% SN 150/ 100C ( cSt )	2363	ASTM D 445
Pour Point 1% SN 150 + 0.3% PPD 21 ( C )	- 2 4	ASTM 97
Shear Stability Index (SSI)	35 – 38	ASTM D 6022
Ash Content ( % )	<0.1	ASTM D 1416
Volatiles ( % )	<0.1	ASTM D 1416

### Application :

Shamaprene – 161 ( Viscosity Index Improver ) also known as Viscosity Modifiers consists of additives that improve the viscosity temperature characteristics of the lubricant making the oils viscosity more stable as its temperature changes.

Shamaprene – 161 ( Viscosity Index Improver ) are widely used in the lubricants field although engine oils represent their largest application They are used to formulate multigrade oils.

### Packing :

Available in 25 kgs 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 Result :

TEST	UNIT	Test Method	Results
K. Viscosity at 100° C ( 10% Polymer in SN 150 )	Cst	ASTM D 445	2363
Shear Stability Index ( 1 wt% Polymer in SN 150 )		ASTM 6022	38 – 43
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	- 24
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.