

ONYX LP 5125

Olefin Copolymer (OCP) VI Improver

DESCRIPTION:

ONYX LP 5125 is a cost-effective viscosity modifier manufactured by dissolving an Olefin Co-polymer in Group-I base oil. This high quality product is designed for use in the formulation of multigrade oils meeting the stringent performance requirements of modern diesel and gasoline engine oils as well industrial lubricants. ONYX LP-5125 imparts excellent shear stability and low temperature properties to passenger car motor oils and heavy duty engine oils. It exceeds the ACEA, API and OEM shear stability requirements in wide range of viscosity grades.

RECOMMENDED DOSAGE:

Recommended supplemental dosage to make various multi-grade viscosity oils are as follows:

SAE GRADE	10W-30	10W-40	15W-40	20W-50	5W-30	5W-40
TREAT RATE (% wt.)	7 – 9	10 – 12	7.5 – 10.5	8 – 10	8 – 10	10 – 12

Actual treat rate vary with base stocks and viscosity targets

PHYSICAL / CHEMICAL CHARACTERISTICS:

	Specifications	Typical	Test Methods
Appearance	Viscous Liquid	Viscous Liquid	Visual
Viscosity@ 100°C, cSt	1050 - 1400	1150	ASTM D445
Density @ 15 °C, kg/m ³	830 - 885	Report	ASTM D1298
Shear Stability Index, %	24	24	ASTM D6278

UNLOADING, STORAGE, AND BLENDING INSTRUCTIONS:

In general, as a minimum, the use of neoprene or nitrile rubber gloves and safety glasses or chemical splash goggles is recommended. The Material Safety Data Sheet should be consulted for specific information and for information on health and safety when handling this product.

FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method)	Classification
210°C (COC)	N/A

Temperature Recommendations:

Unloading:	Temperature	
Pumping temperature	80°C	176°F
Maximum temperature	100°C	212°F
Storage:		
Maximum temperature for long term storage	45°C	113°F
Blending:		
Max. Base oil temperature for mechanical mixing.	100°C	212°F

Equipment Recommendations:

Type of Pump	Positive Displacement
Type of transfer line	Ball lunched, Insulated, Steam Traced Using 121°C/250°F Steam Max.
Transfer Line Size	4 inch/10cm. min.

Heat Source:

Type	Steam 121°C/250°F max.
Storage Tank	Suction Heater Recommended