

ONYX 8081

Over Based Sulfurized Calcium Alkyl Phenate

DESCRIPTION

Onyx 8081 is produced using dodecylphenol through sulfurization, neutralization and high alkalization reaction. This product is a kind of widely used lubricant additive of comprehensive performance, it has extremely good acid neutralization capacity and high-temperature detergency, excellent oxidation resistance and corrosion control as well as good emulsion resistance and oil solubility. Its compatible with sulfonates, alkenyl succinimide, zinc and other additives. It has prominent effect in reducing top-piston ring carbon and is widely used to blend middle and high grade engine oils.

PHYSICAL / CHEMICAL CHARACTERISTICS

Parameters	Test Methods	Specifications	Typical Values
Viscosity@ 100°C, cSt	ASTM D445	≤320	TBR
BN, mgKOH/g	ASTM D2896	240 - 285	260
Flash Point, °C	ASTM D92	≥180	TBR
Density @20 °C, KG/L	ASTM D1298	1050-1120	TBR

GENERAL HANDLING INSTRUCTIONS

Neoprene or nitrile rubber gloves and safety goggles should be worn for handling. Maximum handling temperature is 60°C. Material safety data sheet should be consulted for specific information and for information on health and safety.

Temperature Recommendations

Unloading:	Temperature	
Pumping temperature	60°C	140°F
Maximum temperature	60°C	140°F
Storage:		
Maximum temperature for long term storage	45°C	113°F
Blending:		
Max. Base oil temperature for mechanical or in-line mixing	60°C	140°F

Equipment Recommendations

Type of Pump	Positive Displacement
Type of transfer line	Ball lunched, Insulated, Steam Traced Using 107°C/225F Steam Max.
Transfer Line Size	2-3inch/5-8cm.

Heat Source

Type	Steam 107°C/225°F max.
Storage Tank	Suction Heater Recommended for cold climates

NOTE

If you require further information, please contact your regional Onyx representative.