

RF1122 Overbased Sulfurized Calcium Alkyl Phenate

• Product Introduction

The Over Based Sulfurized Calcium Alkyl Phenate is made from dodecyl phenol by means of 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. It's compatible with sulfonates, alkenyl succinimide, ZDDP 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.

• Product Technical Index

Item	Index	Test Method
Flash Point (COC), °C	≥180	ASTM D92
Kinematic Viscosity (100°C), mm ² /s	≤320	ASTM D445
Density (20 °C), kg/m ³	1050-1120	ASTM D4052
Total Base Number, mg KOH/g	240-285	ASTM D2896
Ca Content, m%	8.9-10.5	ASTM D4951
S Content, m%	2.8-3.8	ASTM D1552
Moisture, m%	≤0.05	ASTM D95

• Features

Besides excellent performances, it has the advantage of light Chroma; lower corrosion of copper and lead.

• Package, Storage and Transportation

For highest storage temperature, it shall not surpass 45°C. This product is non-flammable, non-explosive, and non-corrosive. In terms of safety, environmental protection and use, it is equal to general petroleum products, don't need the special protection. Avoid contact with strong oxidizer when use it, shelf life is 2 years.

In case of accidental contact with skin, wash it off thoroughly with water and detergents.