



Polymethacrylate KHC178

Introduction

KHC178 is a polymethacrylate (PAMA) wide spectrum pour point depressant with the universal and outstanding falling congealment effect. Its alkyl side chain is the monomer copolymerization with the different carbon numbers. Therefore KHC178 has the different side chain lengths and the crystallizing points. So, it owns a better falling congealment effect than others with the sole side chain and the crystallizing point, especially for the medium duty lubricating oil (150SN—500SN), and much better for the North America oil sources. It is similarly effective in the light duty and in the heavy duty lubricating oil. Uses in the falling congealment of all levels of motor oil, gear oil and each kind of industrial oil.

Falling Congealment Mechanism

KHC178 changes the wax structure and the size by the adsorption or eutectic with wax.

Characteristics

Polymethacrylate has the characteristic of excellent resisting shear ability and great shearing stability.

In each kind of the wax contained base oil, it controls the wax crystallization to achieve the falling congealment effect.

It is suitable specially for the catalyzed dewaxing base oil and the high ethylene content OCP formula

Application

Typical dosage 0.1-0.5%

Typical dosage 0.3% for the highly refined base oil

It is suitable for each kind of lubricant oil with various viscosity, pour points as well as different oil sources, of which the different dewaxing level takes.

Base Oil Falling Congealment Result Table

	0%	0.1%	0.2%	0.3%	0.5%
Dalian 75SN	-12	-18	-24	-24	-24
Dalian 150SN	-12	-15	-21	-27	-30
Daqing 5cst	-20	-	-26	-32	-
Maoming 150SN	-9	-	-18	-27	-
Dalian 400SN	-9	-	-14	-21	-
Fushun 150SN	-9	-	-22	-25	-
Yanshan 500SN	-9	-	-14	-	-

Packing

It is packed in 170 liter metal drum. It is Stored in dry, clean and ventilating warehouses.