

PENTAERYTHRITOL ESTER

•Introduction

Pentaerythritol Ester is a kind of saturated polyol ester POE produced by pentaerythritol, high and low carbon fatty acid. It can solely blended with other synthetic material, also can be used with PAO and mineral base oil. It can be used in super lower temperature ICE engine oil, aviation gas turbine oil and environment protection type refrigerated compressor oil. It is suitable for cooling medium R-22.R-32.R-134a.R-507.R-407C and R-410A. Also can be used as base oil in various fully synthetic or semi-synthetic lubricant, as well as in high and low temperature grease for harsh condition food processing industry.

•Specifications

Item	KV 40°C (mm ² /s)	KV 100°C (mm ² /s)	Viscosity Index (VI)	Pour Point °C	Flash Point °C	Acid No. mgKOH/g
PE108	29	5.9	150	-7	280	0.05
PE321	31.2	5.6	111	-58	255	0.05
PE304	40-48	5.7-6.7	100	-54	250	0.05
PE305	57-60	8-10	125	-45	260	0.05
PE306	65-73	7.9-9.3	106	-51	275	0.05
PE343	19	4.3	136	-58	257	0.05
PE451	25	5.0	130	-60	255	0.05
POE100	90-110	11-14	120	-37	290	0.05
POE150	125-140	13-15	110	-39	290	0.05
POE170	166.1	16.51	104	-35	290	0.05
POE220	198-242	20-24	120	-30	290	0.05
POE320	288-352	27-32	120	-30	300	0.05

•Application and recommended treat rate

Application	Treat Rate
Aviation Lubricant	98% max
Air Compressor Oil	98% max
Refrigerated Engine Oil	98% max
ICE Engine Oil	98% max

High Temperature Grease	98% max
High/low Temperature Grease	10~90%
Hydraulic Oil	50~90%
Industrial Gear Oil	98%max

● *Features*

High thermal oxidant stability.
 High viscosity index.
 Excellent low temperature performance.
 High flash point and low volatility.
 Good demulsification performance.
 Good hydrolytic stability.
 It is biodegradable.

● *Equivalent Products*

Products	Chemtura ATCOL	Exxon Mobil
PE306	HATCOL3320	-
PE343	-	EsterexNP343
PE451	-	EsterexNP451

● *Package, storage and transportation*

Packaged in plastic drum, N.W. 200KGS/drum.
 Stored and transported as non-dangerous goods, stored in cool, dry and ventilated place.