



POE Lubricants

Errecom's POE lubricants, in all their viscosity levels, are composed of a mixture of polyol esters and additives that aims to achieve:

- excellent lubricity;
- better hydrolytic, chemical, and thermal stability;
- excellent anti-wear protection of the AC/R system components.

Besides, the identification and complete elimination of reaction catalysts make Errecom's POE one of the most stable and least reactive to ester hydrolysis refrigeration lubricants on the market.

The high viscosity index of polyol esters guarantees excellent fluidity (in terms of flow capabilities) at low temperatures and a stable film at high temperatures, thus confirming the maximum efficiency of the lubricant in all operating conditions. Formulated to be highly compatible with AC/R materials components of all types and generations, Errecom POEs are characterised by low toxicity and high biodegradability.

Their reduced hygroscopicity originates from anti-moisture additives, specially designed by Errecom chemists to preserve the characteristics of the lubricant over time as much as possible. In addition, they present electrical insulation and excellent solubility and miscibility with the following group of refrigerant gases: HCFC – HFC – HFO.

Physical Quantity Measured (Unit of Measurement)	Analytical Reference Method	POE 22	POE 32	POE 46	POE 55	POE 68	POE 100	POE 170	POE 220
ISO VG	-	22	32	46	55	68	100	170	220
Kinematic Viscosity @ 40°C (cSt)	ASTM-D445	19,37	30,5	46,3	53,9	68,6	102,28	162,2	226,2
Kinematic Viscosity @ 100°C (cSt)	ASTM-D445	4,23	5,5	7,3	8,2	9,5	11,51	16,66	19,34
Viscosity Index	ASTM-D2270	125	120	121	123	118	99	109	97
Freezing Point (°C)	ASTM-D97	-54	-53	-47	-42	-45	-39	-34	-30
Flash Point (°C)	ASTM-D92	288	260	248	240	284	308	328	318
Density @ 15°C (g/cm³)	ASTM-D4052	0,9927	0,978	0,978	0,965	0,978	0,968	0,968	0,975
Moisture Level (ppm)	ASTM-E1064	50	50	50	50	50	75	75	75
Total Acid (mg KOH/g)	ASTM-D974	<0,03	<0,03	<0,03	<0,03	<0,03	<0,04	<0,04	<0,04
Colour (APHA)	ASTM-D1209	32	20	20	30	30	99	99	100
Reaction Catalyst Residue (ppm)	IM	<0,02	<0,02	<0,02	<0,02	<0,02	<0,02	<0,02	<0,02

POE 22

Art.-Nr.	Qty.	€			Packaging
OL6011.Q.P2	250 mL	-	24	2880	Plastic Tank
OL6011.M.P2	500 mL	-	12	1080	
OL6011.K.P2	1 L	-	12	756	
OL6011.UP.P2	1 Gal	-	02	196	
OL6011.I.P2	4 L	-	02	196	
OL6011.P.P2	5 L	-	02	140	
OL6011.K.01	1 L	-	12	768	Metal Tank
OL6011.P.01	5 L	-	02	190	
OL6011.V	20 L	-	01	22	
OL6011.T	25 L	-	01	22	
OL6011.B	200 L	-	01	02	
OL6011.IBC	1000 L	-	01	01	

POE 46

Art.-Nr.	Qty.	€			Packaging
OL6015.Q.P2	250 mL	-	24	2880	Plastic Tank
OL6015.M.P2	500 mL	-	12	1080	
OL6015.K.P2	1 L	-	12	756	
OL6015.UP.P2	1 Gal	-	02	196	
OL6015.I.P2	4 L	-	02	196	
OL6015.P.P2	5 L	-	02	140	
OL6015.K.01	1 L	-	12	768	Metal Tank
OL6015.P.01	5 L	-	02	190	
OL6015.V	20 L	-	01	22	
OL6015.T	25 L	-	01	22	
OL6015.B	200 L	-	01	02	
OL6015.IBC	1000 L	-	01	01	

POE 68

Art.-Nr.	Qty.	€			Packaging
OL6016.Q.P2	250 mL	-	24	2880	Plastic Tank
OL6016.M.P2	500 mL	-	12	1080	
OL6016.K.P2	1 L	-	12	756	
OL6016.UP.P2	1 Gal	-	02	196	
OL6016.I.P2	4 L	-	02	196	
OL6016.P.P2	5 L	-	02	140	
OL6016.K.01	1 L	-	12	768	Metal Tank
OL6016.P.01	5 L	-	02	190	
OL6016.V	20 L	-	01	22	
OL6016.T	25 L	-	01	22	
OL6016.B	200 L	-	01	02	
OL6016.IBC	1000 L	-	01	01	

POE 170

Art.-Nr.	Qty.	€			Packaging
OL6020.Q.P2	250 mL	-	24	2880	Plastic Tank
OL6020.M.P2	500 mL	-	12	1080	
OL6020.K.P2	1 L	-	12	756	
OL6020.UP.P2	1 Gal	-	02	196	
OL6020.I.P2	4 L	-	02	196	
OL6020.P.P2	5 L	-	02	140	
OL6020.K.01	1 L	-	12	768	Metal Tank
OL6020.P.01	5 L	-	02	190	
OL6020.V	20 L	-	01	22	
OL6020.T	25 L	-	01	22	
OL6020.B	200 L	-	01	02	
OL6020.IBC	1000 L	-	01	01	

POE 32

Art.-Nr.	Qty.	€			Packaging
OL6012.Q.P2	250 mL	-	24	2880	Plastic Tank
OL6012.M.P2	500 mL	-	12	1080	
OL6012.K.P2	1 L	-	12	756	
OL6012.UP.P2	1 Gal	-	02	196	
OL6012.I.P2	4 L	-	02	196	
OL6012.P.P2	5 L	-	02	140	
OL6012.K.01	1 L	-	12	768	Metal Tank
OL6012.P.01	5 L	-	02	190	
OL6012.V	20 L	-	01	22	
OL6012.T	25 L	-	01	22	
OL6012.B	200 L	-	01	02	
OL6012.IBC	1000 L	-	01	01	

POE 55

Art.-Nr.	Qty.	€			Packaging
OL6055.Q.P2	250 mL	-	24	2880	Plastic Tank
OL6055.M.P2	500 mL	-	12	1080	
OL6055.K.P2	1 L	-	12	756	
OL6055.UP.P2	1 Gal	-	02	196	
OL6055.I.P2	4 L	-	02	196	
OL6055.P.P2	5 L	-	02	140	
OL6055.K.01	1 L	-	12	768	Metal Tank
OL6055.P.01	5 L	-	02	190	
OL6055.V	20 L	-	01	22	
OL6055.T	25 L	-	01	22	
OL6055.B	200 L	-	01	02	
OL6055.IBC	1000 L	-	01	01	

POE 100

Art.-Nr.	Qty.	€			Packaging
OL6017.Q.P2	250 mL	-	24	2880	Plastic Tank
OL6017.M.P2	500 mL	-	12	1080	
OL6017.K.P2	1 L	-	12	756	
OL6017.UP.P2	1 Gal	-	02	196	
OL6017.I.P2	4 L	-	02	196	
OL6017.P.P2	5 L	-	02	140	
OL6017.K.01	1 L	-	12	768	Metal Tank
OL6017.P.01	5 L	-	02	190	
OL6017.V	20 L	-	01	22	
OL6017.T	25 L	-	01	22	
OL6017.B	200 L	-	01	02	
OL6017.IBC	1000 L	-	01	01	

POE 220

Art.-Nr.	Qty.	€			Packaging
OL6021.Q.P2	250 mL	-	24	2880	Plastic Tank
OL6021.M.P2	500 mL	-	12	1080	
OL6021.K.P2	1 L	-	12	756	
OL6021.UP.P2	1 Gal	-	02	196	
OL6021.I.P2	4 L	-	02	196	
OL6021.P.P2	5 L	-	02	140	
OL6021.K.01	1 L	-	12	768	Metal Tank
OL6021.P.01	5 L	-	02	190	
OL6021.V	20 L	-	01	22	
OL6021.T	25 L	-	01	22	
OL6021.B	200 L	-	01	02	
OL6021.IBC	1000 L	-	01	01	