

MOL-FREEZ E Series

Product Description:

MOL FREEZ E series lubricant range is based on synthetic polyol esters (POE) formulated for performance in refrigeration and air conditioning compressors using Freon 404, HFC (such R-404,R-407,R-410 a, R-507, R-509a, R-509b and all other HFC refrigerants) , CFC or HCFC refrigerants

Features:

MOL FREEZ E series synthetic lubricants are chemically and thermally stable for cleaner operating performance, and provide wear protection for contact surfaces for longer system life and system efficiency. They are miscible over the required broad temperature ranges of commercial/industrial systems.

Physical and Chemical Conditions:

MOL-FREEZ E	Method	22	32	46	55	68	100
Appearance	Visual	C&B	C&B	C&B	C&B	C&B	C&B
Kinematic Viscosity @ 40° C cSt	ASTM D 445	22	32	46	55	68	100
Kinematic Viscosity @ 100° C cSt	ASTM D 445	4.2	5.85	7.25	8.2	9.1	11.9
Viscosity Index	ASTM D 2270	129	126	113	114	117	118
Neutralization Value MgKOH/g	ASTM D 974	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Density @ 15° C g/cm ³	ASTM D 1298	0.995	0.985	0.980	0.980	0.980	0.971
Flash Point, (COC) °C	ASTM D 92	240	250	251	253	260	265
Pour Point °C	ASTM D 97	-50	-45	-42	-40	-39	-31
CU Corrosion @ 100° C and 3 hr.	ASTM D 130	1a	1a	1a	1a	1a	1a
Water ppm	ASTM D 6304	Max. 5	Max. 5	Max. 5	Max. 5	Max. 5	Max. 5
MOL-FREEZ E	Method	120	150	170	220	320	370
Appearance	Visual	C&B	C&B	C&B	C&B	C&B	C&B
Kinematic Viscosity @ 40° C cSt	ASTM D 445	120	150	170	220	320	370
Kinematic Viscosity @ 100° C cSt	ASTM D 445	13.6	15.8	18	19	27	31
Viscosity Index	ASTM D 2270	109	107	109	112	116	120
Neutralization Value MgKOH/g	ASTM D 974	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Density @ 15° C g/cm ³	ASTM D 1298	0.968	0.968	0.968	0.968	0.970	0.972
Flash Point, (COC) °C	ASTM D 92	275	290	290	288	289	290
Pour Point °C	ASTM D 97	-27	-26	-26	-26	-25	-24
Copper Corrosion @ 100° C and 3 hr.	ASTM D 130	1a	1a	1a	1a	1a	1a
Water ppm	ASTM D 6304	Max. 5	Max. 5	Max. 5	Max. 5	Max. 5	Max. 5

Storage and Packing Conditions:

- Should be stored sealed under normal storage conditions. Shelf life in original package and at room temperature is 3 years.
- Available in 1,4, 20 LT Pails, 208 LT Drums and 1000 LT IBCs.

Human Health and Work Safety:

- Normal safety precautions (gloves and safety goggles) Should be employed
 - Avoid eye and prolonged skin contact.
 - Wash thoroughly after handling material.
 - Don't discharge used oil in drains, dispose to an authorized used oil collection point
- For more information, please see the Material Safety Data Sheet (MSDS).