

PRODUCT & TECHNICAL DATA

CASTROL ICEMATIC E68

Refrigerant compressor lubricant

DESCRIPTION

Icematic E68 is based on polyolesters formulated with a low-treat ashless additive package. The combination of excellent low temperature characteristics and unparalleled oxidative and thermal stability enable the use of Icematic E68 over a wide temperature range.

APPLICATIONS

Icematic E68 is recommended for use in centrifugal and reciprocating semi-hermetic compressors in commercial and industrial applications. Icematic E68 applications include scroll and mini-screw compressors. Icematic E68 can be used with all HFC refrigerants and is compatible with conventional CFC and HCFC refrigerants.

Icematic E68 has been developed specifically for systems operating at low suction temperatures (particularly those using refrigerant blends containing R 143a).

CARE AND HANDLING

Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

PACKAGING AND STORAGE

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings.

Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

TECHNICAL DATA

TYPICAL CHARACTERISTICS	UNIT	TEST METHOD	VALUE
Icematic E			68
ISO Grade			68
Viscosity @ 40°C	cSt	ASTM D445	68
Viscosity @ 100°C	cSt	ASTM D445	9.4
Viscosity Index		ASTM D2270	115
Open Flash Point	°C	ASTM D92	262
Closed Flash Point	°C	ASTM D93	250
Pour Point	°C	ASTM D97	-39
Water Content	ppm	ASTM D1744	50
Total Acid Number	mg KOH/g	ASTM D664	0.05
Hydroxyl Number	Mg KOH/g	AOCS Cd13-60	<3
Colour		ASTM D1209	300
Density at 15.6°C	g/ml	IP365	0.970

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

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GENERAL ADVICE

Further information on all Castrol Marine lubricants is available from any Castrol Marine office or from:

Castrol Marine www.castrolmarine.com
Technology Centre
Whitchurch Hill
Pangbourne
Reading RG8 7QR
United Kingdom

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