

PRODUCT & TECHNICAL DATA

CASTROL ICEMATIC 229 RANGE Synthetic refrigerator oils

DESCRIPTION

The Icematic 229 range of refrigeration oils are formulated from selected polyalphaolefin base stocks.

APPLICATIONS

They are specifically designed for use in refrigeration systems using screw type compressors combined with very low evaporator temperatures. They may also be specified for certain systems using reciprocating compressors with high compression ratios and discharge temperatures.

The very low pour points enable the Icematic 229 range to be used in systems where evaporator temperatures are extremely low.

However because of their low miscibility with R22 the Icematic 229 range oils are not suitable for use in refrigeration systems using flooded evaporators, unless efficient oil separators or some other method of oil recovery is provided.

FEATURES/BENEFITS

The Icematic 229 range is designed to have low miscibility and solubility with R22. This characteristic gives significant advantages in screw type compressors where refrigerant absorption can adversely affect volumetric efficiency and reduce lubricant viscosity to unacceptably low levels.

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	VALUE	VALUE
Icematic			2293	2294	2295
ISO Grade			32	68	220
Density @ 15°C	g/ml	ASTM D4052	0.83	0.84	0.85
Viscosity @ 40°C	cSt	ASTM D445	32	68	220
Viscosity @ 100°C	cSt	ASTM D445	5.7	10.8	25.2
Closed flash point	°C	ASTM D93	228	233	243
Pour Point	°C	ASTM D97	-60	-60	-45

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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