NYFROST 68

Nyfrost 68 is an upper mid-viscosity, wax-free, hydrotreated naphthenic ISO VG 68 base oil for use as a refrigeration fluid.

Applications

Nyfrost 68 has higher flash point and high thermal and chemical stability, including being non-corrosive versus iron, copper and aluminium. This product is recommended for use in refrigerators using refrigerants such as Isobutane (R600a), Ammonia (R717) and CFC's (R12 and R 22).

Performance and benefits

The benefits of using naphthenic base oils for this application are the high solvent power and the very good low temperature properties leading to good floc points for the recommended refrigerant-oil mixture. Nyfrost 68 is wax-free, it is characterized by having a low pour point and good cold flowing properties, efficient heat transfer and good thermal stability.

Product description

Nyfrost 68 is a hydrotreated naphthenic base oil, classified as an API Group V base oil. The viscosity at 40°C is 68 cSt for this product.

There’s more to us than this

We’re delighted you chose one of our base oils. If you have any questions about other products and services, get in touch with your local Nynas contact. Besides top quality oils, we offer a wide range of services, including rapid delivery worldwide, training, seminars and much more. All you have to do is ask. Find out more at www.nynas.com

PRODUCT DATA SHEET

NYFROST 68

PROPERTY	UNIT	TEST METHOD ASTM	SPECIFICATION LIMITS MIN	MAX	TYPICAL DATA
Physical					
Density, 15°C	g/cm^3	D 4052	0.904	0.924	0.913
Viscosity, 40°C	mm^2/s (cSt)	D 445	61.2	74.8	69
Viscosity, 100°C	mm^2/s (cSt)	D 445			6.6
Flash Point, COC	°C	D 92			200
Flash Point, PM	°C	D 93	174		185
Pour Point	°C	D 97		-24	-30
Colour		D 1500		1.5	1.0
Cold flow determination in a U-tube	°C	DIN 51568			
Floc point - R12	°C	DIN 51351			-29
Floc point - R22	°C	ASHRAE 86			
Floc point - R600A	°C	DIN 51351			-50
Chemical					
Copper Strip, 100°C, 3hrs,		D 130		1	1
Sulphur	%	D 2622			0.06
Neutralization value	mg KOH/g	D 974		0.03	<0.01
Hydrocarbon Type Analysis		IR-method			
C_A	%				15
Carbon-Type Composition					
C_A	%				11
C_N	%				40
C_P	%				49
Electrical					
Breakdown voltage	kV	IEC 156	40		>45

Nyfrost 68 is a naphthenic based refrigerating oil meeting specification BS 2626: 1992.

Severely Hydrotreated Base Oil
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