

# JEFROST 68

## DESCRIPTION

Jefrost 68 is a hydrotreated naphthenic ISO VG 68 base oil to use as a refrigeration fluid and is characterized by having very low pour point, good cold flowing and high thermal and chemical stability.

## FEATURES AND BENEFITS

The benefits of using naphthenic base oils for this application are the high solvent power and the very good low temperature properties that are leading to good floc points for the refrigerant-oil mixture, Jefrost 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.

## APPLICATIONS

Jefrost 68 can be used in refrigerators using refrigerants such as hydrocarbons, ammonia and CFC's.

CHARACTERISTICS	UNIT	TEST METHOD ASTM	SPECIFICATION LIMITS		TYPICAL DATA
			MIN	MAX	
<b>Physical</b>					
Density, 15°C	g/cm <sup>3</sup>	D 4052	0.904	0.924	0.914
Viscosity, 40°C	mm <sup>2</sup> /s (cSt)	D 445	61.2	74.8	68
Viscosity, 100°C	mm <sup>2</sup> /s (cSt)	D 445			6.6
Flash Point, COC	°C	D 92			202
Flash Point, PM	°C	D 93	174		196
Pour Point	°C	D 97		-24	-36
Colour		D 1500		1.5	<1.0
Floc point -R12	°C	DIN 51351			-29
<b>Chemical</b>					
Copper Strip, 100°C, 3 hrs		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 <sub>A</sub>	%				15
Carbon-Type Analysis		D 2140			
C <sub>A</sub>	%				12
C <sub>N</sub>	%				40
C <sub>P</sub>	%				48
<b>Electrical</b>					
Breakdown voltage	kV	IEC 156	40		>45