



# PRODUCT DATA SHEET

## ADNOC Refrigeration Oil G

### DESCRIPTION

**ADNOC Refrigeration Oil G** is a series of hydrotreated, wax-free, mineral naphthenic refrigeration oils. It has very good low temperature properties, leading to good floc points and high thermal and chemical stability, being non-corrosive to iron, copper and aluminum.

### APPLICATIONS

**ADNOC Refrigeration Oil G** is recommended for use in refrigerators using refrigerants such as Isobutane (R600a), Ammonia (R717) and CFC's (R12 and R 22).

### BENEFITS

- High solvent power and very good low temperature properties leading to good floc points for the recommended refrigerant-oil mixture
- Wax-free thereby having low pour point
- Good cold flowing properties
- Efficient heat transfer
- Good thermal stability

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## PRODUCT TYPICAL CHARACTERISTICS

Properties	Units	G3	G4	G5	Test Methods
Density @15°C	kg/L	0.905	0.911	0.904	ASTM D1298
Kinematic Viscosity @40°C	mm <sup>2</sup> /s	32.00	55.00	99.00	ASTM D445
Kinematic Viscosity @100°C	mm <sup>2</sup> /s	4.500	5.900	8.600	ASTM D445
Flash Point, COC	°C	190	196	220	ASTM D92
Flash Point, PM	°C	176	180	213	ASTM D93
Pour Point	°C	-45	-33	-30	ASTM D97
Aniline Point	°C	79	82	94	ASTM D611
Water content	mg/kg	40	40	40	ASTM D1533
Color		0.5	1.0	1.0	ASTM D1500
Floc point - R12	°C	-36	-30	-24	DIN 51351
Floc point - R600A	°C	-50	-50	-50	DIN 51351
Copper Strip, 3h @100°C	-	1	1	1	ASTM D130
Sulphur	mass%	0.06	0.06	0.06	ASTM D2622
Total Acid Number	mg KOH/g	< 0.01	< 0.01	< 0.01	ASTM D974

Minor variations in product typical test data are to be expected in normal manufacturing.

Always follow the Original Equipment Manufacturer's recommendation (OEM) for the equipment operating conditions, product specification, drain interval and customer's maintenance practices.  
 Rev: 30-Jan-2023