

Product Description

OMV coolant SF

Product number: 178116

OMV coolant SF is a coolant based on monoethylene glycol.

Properties

OMV coolant SF is a latest generation nitrite, amine, phosphate and silicate free coolant. Its sophisticated inhibitor system guarantees safe, long-term protection against freezing and overheating and excellent corrosion protection for all modern engines operating under extreme conditions, even with total aluminium construction.

Application

OMV coolant SF can be mixed with water in any ratio. It can also be mixed with standard coolants containing silicate, although it only retains its exceptional properties when mixed with distilled water. In principle, coolants should not be used undiluted. A 1:1 mixture with water provides protection against freezing to -40°C and 1:2 to -20°C .

Technical data - concentrate (typical values)

Property	Unit	Value	Method
Appearance		Clear, violet liquid	
Density/20°C	Kg/m ³	1120-1125	ASTM D 1122
Viscosity/20°C	mm ² /s	22-26	DIN 51 562
Refraction index $n_{D20^{\circ}\text{C}}$		1.432 – 1.436	DIN 51 423
Flash point COC	°C	>120	ISO 2592
Boiling point	°C	>160	ASTM D 1120
PH value		8.2 – 9.0	ASTM D 1287

Technical data of the mixture with water (typical values)

Property	Unit	Value	Method	
Ice flock point	50 % in water	°C	< -38	ASTM D 1177
	33 % in water	°C	< -18	
Freezing point	50 % in water	°C	< -45	DIN 51 583
	33 % in water	°C	< -23	
Viscosity/0°C	50 % in water	mm²/s	8–10	DIN 51 562
	33 % in water	mm²/s	5–6	
Viscosity/80°C	50 % in water	mm²/s	0.9-1.1	DIN 51 562
	33 % in water	mm²/s	0.6-0.8	
Foam test after 1-3 seconds	ml	<50	ASTM D 1881	
Loss of weight during corrosion testing on copper, tin solder, brass, steel, grey iron, cast aluminium	mg/cm²	all<4.0	ASTM D 1384	
Density compatibility; source standard SBR and EPDM elastomere 80°C/168h (1:1 in water)	%	0-3 (=same order of magnitude as pure water)		

Recommendations

OMV coolant SF can be used in vehicles from the VW (G12+) group, i.e. including AUDI, SEAT and SKODA. It is also recommended by RENAULT and FORD Europe for modern aluminium engines and meets the Mercedes provision 325.3.

Safety, health, environment

A data sheet with safety and health information can be found on the Internet at www.omv.com.

Used lubricants and empty containers must be disposed of in accordance with environmental regulations.

All data are average values and are subject to production-related fluctuations. Technical data are subject to change.

Please observe the instructions of the machine manufacturers!

Further information can be obtained from Technical Marketing Service Lubricants technics.lubes@omv.com