



Quality standard MOL-LUB 09111

EVOX Extra concentrate coolant concentrate

Quality specification

Characteristics [Unit]	Requirements	Method
Appearance	bright, clear liquid	Visual
Colour	dark blue	Visual
pH value	7.1 - 9.5	ASTM D 1287-91(2002)
Reserve alkalinity, M/10 HCl [ml]	8.8 - 12.0	ASTM D 1121-98(2003)
Water content (KF) [mass %]	max. 5.00	ASTM D 1123-99(2003)
Density at 20 °C [g/cm ³]	1.110 - 1.145	DIN 51757:1994
Refractive index at 20 °C	1.4300 - 1.4350	DIN 51423 2.:1975
Flash point (Cleveland) [°C]	min. 120	EN ISO 2592:2001
Freezing point (1:2 distilled water) [°C]	max. -18.0	ASTM D 1177-05
Boiling point [°C]	min. 160	ASTM D 1120-94(2004)
Freezing point (1:1 distilled water) [°C]	max. -36.0	ASTM D 1177-05
Foaming characteristics at 88 °C		ASTM D 1881-97(2002)e1
- foaming / foam volume [cm ³]	max. 150	ASTM D 1881-97(2002)e1
- foam stability [s]	max. 5	ASTM D 1881-17
^A Kinematic viscosity at 0 °C [mm ² /s]	3.0 - 5.0	ISO 3104:1994
^A Kinematic viscosity at 80 °C [mm ² /s]	0.5 - 0.8	ISO 3104
Hamutartalom (autochemic) [mass %]	max. 5.0	ASTM D 1119-05
^B Kinematic viscosity at 0 °C [mm ² /s]	7.0 - 10.0	ISO 3104:1994
^B Kinematic viscosity at 80 °C [mm ² /s]	0.9 - 1.1	ISO 3104
Corrosion test in glassware [mg]		ASTM D 1384-05
- cast aluminium [mg]	max. 6	ASTM D 1384-05
- cast iron [mg]	max. 6	ASTM D 1384-05
- copper [mg]	max. 6	ASTM D 1384-05
- brass [mg]	max. 6	ASTM D 1384-05
- steel [mg]	max. 6	ASTM D 1384-05
- solder [mg]	max. 6	ASTM D 1384-05
Aluminium alloy corrosion (G AlSi6Cu4) [mg/cm ² /168 h]	max. 1.0	ASTM D 4340-96(2001)
Simulated service test (ASTM D 2570-96(2002)e1) [mg]		ASTM D 2570-96(2002)e1
- cast aluminium [mg]	max. 60	ASTM D 2570
- cast iron [mg]	max. 20	ASTM D 2570
- copper [mg]	max. 20	ASTM D 2570
- brass [mg]	max. 20	ASTM D 2570
- steel [mg]	max. 20	ASTM D 2570
- solder [mg]	max. 60	ASTM D 2570
^B Miscibility with water	freely miscible	Visual
Hard water stability after 10 days	no separation	VW-PV 1426

A - 1:2 deszt. vizes oldatban meghatározva

B - 1:1 deszt. vizes oldatban meghatározva

STORAGE: storage temperature -13°C - +35°C
Keep away from moisture, direct sunlight or any kind of contaminants.

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