

DESCRIPTION

FROSTOX® PSF12 is an environmentally friendly silicate-free propylene glycol based antifreeze with organic acids for use in internal combustion engines. **FROSTOX® PSF12** is a long life coolant that can be used in vehicles as a lifetime antifreeze.

FROSTOX® PSF12 contains high-performance corrosion inhibitors and provides optimal protection of all metals and metal alloys used in cooling systems, including aluminium.

FROSTOX® PSF12 also prevents scale formation and deposits in the cooling system in addition to corrosion. Thanks to the molecular film this coolant forms, it ensures excellent heat transfer and heat transport.

PHYSICAL AND CHEMICAL PROPERTIES

	Value	Method
Density at 20°C [g/cm ³]	1.000–1.120	DIN 51757
Refractive index	1.426–1.439	DIN 53423
Boiling point [°C]	>155	ASTM D1120
Flash point [°C]	>100	ASTM D51758
pH value (33 % aqueous solution)	7.5–8.5	ASTM D1287
Reserve alkalinity [ml 0.1N HCl/10 g]	>5.5	ASTM D1121





PERFORMANCE CHARACTERISTICS

FROSTOX® PSF12 easily exceeds all requirements set forth in ASTM D3306 — particularly with respect to ASTM D1384 and ASTM D4340 corrosion testing — and can be mixed even with hard water in any concentration with no precipitate formation. The following water mixture ratios are recommended:

40 % (v/v) FROSTOX® PSF12	Freeze point –23°C
50 % (v/v) FROSTOX® PSF12	Freeze point –37°C
60 % (v/v) FROSTOX® PSF12	Freeze point –52°C

CONTAINER AND DELIVERY SPECIFICATIONS

FROSTOX® PSF12 is dyed a reddish purple. The following container sizes are available:

	1	1.5 litre		3	5	10	20	30 litre
	60	200 litre		20 to 24 tons				

Please inquire for additional container sizes if required.