



Texol™ Multifreeze BLM

Technical Data Sheet

Texol™ Multifreeze BLM

Proven performance antifreeze coolant concentrate

Product Description

Texol™ Multifreeze BLM is a proven performance antifreeze coolant concentrate approved by a wide range of passenger car and heavy duty industrial equipment manufacturers.

Texol™ Multifreeze BLM offers efficient and long lasting freezing, boiling and corrosion protection through a combination of silicate and carboxylate inhibitor technology with an ethylene glycol base and is free of potentially harmful additives such as nitrites, amines and phosphates, promoting improved environmental protection.

Applications and Uses

- Texol™ Multifreeze BLM provides year-round frost and corrosion protection. To ensure good corrosion it is recommended to use at least 33 vol.% Texol™ Multifreeze BLM in the coolant solution. This provides frost protection to -20°C. Typical mixtures in Northern Europe are 50/50 BLM/water, offering frost protection down to -40°C
- Mixtures with more than 70 vol.% Texol™ Multifreeze BLM are not recommended
- Maximum frost protection (about -67°C) is obtained at 68 vol.% Texol™ Multifreeze BLM
- The use of soft water is preferred for dilution
- Laboratory testing has shown that acceptable corrosion results are still obtained with water of 20° dh, containing up to 50 ppm chlorides and 50 ppm sulphates.
- Texol™ Multifreeze BLM may be used in engines manufactured from cast iron, aluminium or combinations of the two metals, and in cooling systems manufactured with aluminium or copper alloys

Customer benefits

- Combined silicate and carboxylate inhibitor technology offers efficient freezing, boiling and corrosion protection
- Advanced formulation offers low maintenance performance and system protection and helps increase uptime
- Low depletion inhibitor performance helps reduce maintenance costs and downtime
- Promotes environmental protection through nitrite, amine and phosphate-free formulation
- Offers compatibility with a wide range of rubber hoses and gasket materials



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Typical Properties

Property (Unit)	BLM	BLM33%	BLM40%	BLM50%	
pH	8.6	8.3	8.4	8.6	ASTM D1287
Water content	5%max.	66%	60%	50%	ASTM D1123
Initial crystallization	-	<-18°C	<-24°C	<-37°C	ASTM D1177
Freezing protection	-	-20°C	-27°C	-40°C	
Specific gravity, 20°C	1.113	1.053	1.056	1.068	ASTM D1122
Reserve alkalinity (ph 5.5)	6.2	2.1	2.4	3.0	ASTM D1121
Refractive Index, 20°C	1.430	1.369	-	1.385	ASTM D1218
Equilibrium boiling point	180°C	104°C	-	108°C	ASTM D1120
Effect on non-metals	-	No effect	No effect	No effect	GME60 255
Staining characteristics		No effect	-	-	ASTM D1882
Colour	Blue	-	-	-	

Technical Expertise

Texol experts on Multifreeze BLM are regionally located to respond to your needs. Whether you have a question about products, applications or regulations, Texol offers comprehensive customer and technical service.

Storage and handling

- This product should be stored above -20°C and preferably at ambient temperatures. Periods of exposure to temperatures above +35°C should be minimised
- Exposure of the coolant in translucent packages to direct sunlight can degrade the dyes present in the coolant, and result in fading or discoloration over time. This reaction can be accelerated if coupled with high ambient temperatures. It is therefore advisable to store coolant in translucent packages indoors
- Texol™ Multifreeze BLM can be stored for approximately 3 years in unopened containers without effect on the product quality or performance
- It is strongly recommended to use new containers and not recycled ones
- As with any antifreeze coolant, the use of galvanized steel is not recommended for pipes or any other part of the storage/mixing installation