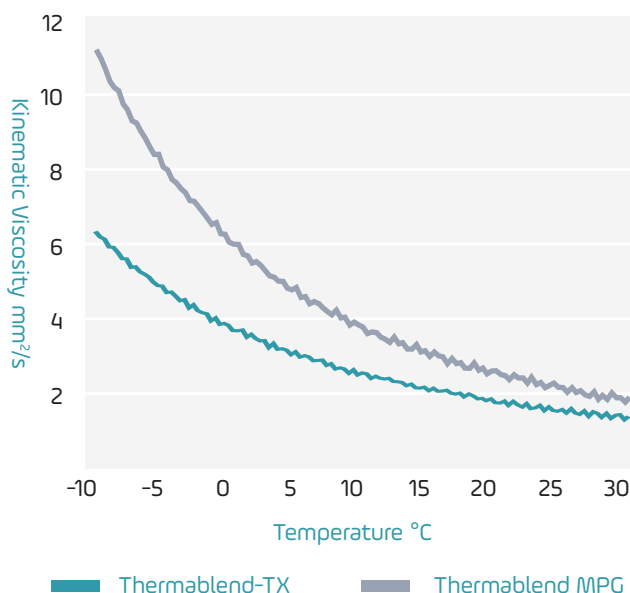


Non-hazardous heat transfer fluid with market leading high thermal conductivity and low viscosity for reduced parasitic loads. Thermablend-TX is biodegradable and contains a specially formulated biocide with increased thermal stability plus an organic acid technology inhibitor package which meets ASTM D-1384 and is free from any nitrite, amine, phosphate, borax, silicate and 2-Ethylhexanoate.

Viscosity



Dilution & Freeze point

Volume %	Freeze Point °C	Refractive Index
50%	-37.8	1.3850
40%	-25.1	1.3744
35%	-19.6	1.3695
30%	-14.9	1.3632
25%	-13.3	1.3602

High Thermal Conductivity

0.2518 Wm⁻¹K⁻¹ measured undiluted at 26°C
 0.479 Wm⁻¹K⁻¹ measured diluted to 30% at 24.5°C
 0.255 Wm⁻¹K⁻¹ measured undiluted at -0.6°C
 0.436 Wm⁻¹K⁻¹ measured diluted to 30% at -1.4°C

Specific Heat Capacity

2369 Jkg⁻¹K⁻¹ measured undiluted at 26°C
 3433 Jkg⁻¹K⁻¹ measured diluted to 30% at 24.5°C
 2346 Jkg⁻¹K⁻¹ measured undiluted at -0.6°C
 3299 Jkg⁻¹K⁻¹ measured diluted to 30% at -1.4°C

Prandtl Number

24°C - 11.64
 -1.4°C: 31.27

All of the above tests were performed by an independent laboratory, 2021.

Contains Bitrex, helping to protect children and animals.

Fluid Thinking



Did you know we have a glycol laboratory?

To find out about our testing services offered to our glycol customers, contact our technical team.

technical@blendedproducts.com

Properties of Thermablend-TX Corrosion Inhibitor Package

	Method	Coolant	ASTM D3306 Requirements
pH (50% DI water)	ASTM D1287	8 - 9	7,5 to 11,0
Water content	ASTM D1123	< 5%	5% w/w max
Ash content	ASTM D1119	< 20ppm	5% w/w max
Specific gravity (15°C)	ASTM D5931	1.117	1.110 to 1.145
Reserve alkalinity (pH 5.5)	ASTM D1121	4,2 ml	Report
Foaming properties	ASTM D1881	<50 ml / <2s	150ml / 5s max
Hard water stability	ASTM D7437	< 0,5 ml	/
Glassware corrosion tests	ASTM D1384	Weight loss (mg/specimen) Copper: 0,7 Solder: 1,8 Brass: 0,3 Steel: -0,2 ¹ Cast Iron: -0,8 ¹ Aluminium: 1,2	Weight loss (mg/specimen) Copper: 10 max Solder: 30 max Brass: 10 max Steel: 10 max Cast Iron: 10 max Aluminium: 30 max
Corrosion of cast-aluminium alloys at heat-rejecting surfaces	ASTM D4340	Weight loss (mg/cm ² /week) 0,9	Weight loss (mg/cm ² /week) ±1,0 max
Cavitation/erosion tests	ASTM D2809	Visual rating 9	Visual rating 8 min
Simulated service corrosion test	ASTM D2570	Weight loss (mg/specimen) Copper: 4.4 Solder: 6.8 Brass: 2.8 Steel: -2.2 ¹ Cast Iron: -3.3 ¹ Aluminium: 1.2	Weight loss (mg/specimen) Copper: 20 max Solder: 60 max Brass: 20 max Steel: 20 max Cast Iron: 20 max Aluminium: 60 max

1 : Weight gain is indicated by a - sign