



# THERMAL FLUID SOLUTIONS

[www.thermalfluidsolutions.com](http://www.thermalfluidsolutions.com)

**UK Head Office:** 20 Hallsteads,  
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**+44 (0) 1298 815862**

**US Office:** 42 S Bethany Bend Cir,  
The Woodlands, Texas, TX 77382  
**+1 346-226-4092**

PRODUCT  
INFORMATION

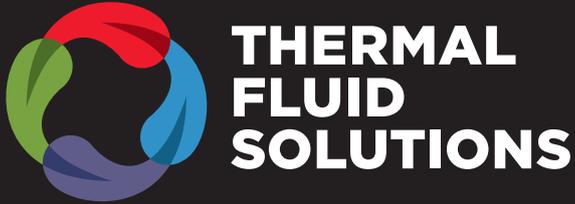
## MAGMA EXTREME

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TFS Magma Extreme is a high quality heat transfer fluid based on highly refined base stocks blended with performance enhancing additives for excellent oxidation stability and resistance to thermal cracking. It is specially formulated to provide excellent thermal stability, prevent the formation of deposits and stabilise oil viscosity for optimum system efficiency, giving extended service life and reduced system downtime.

### PERFORMANCE BENEFITS

- Performance Enhancing Additives – including anti-oxidation, anti-rust and anti-foam
- Compatible - suitable for use in enclosed and sealed heating and cooling systems with expansion tanks in all types of industrial processes where the maximum bulk oil temperature does not exceed 320°C and the maximum oil film temperature does not exceed 340°C.
- Longer Oil Life – resulting in reduced maintenance down time.
- Rapid Heating – for circulating systems.



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## MAGMA EXTREME PRODUCT SPECIFICATION

TFS MAGMA EXTREME	Test	Typical Data
Colour	ASTM D 1500	<2
ISO VG		32
Density at 15°C, kg/m <sup>3</sup>	ASTM D 1298	864
Viscosity at 40°C, mm <sup>2</sup> /s	ASTM D 445	32
Viscosity at 100°C, mm <sup>2</sup> /s	ASTM D 445	5.4
Viscosity Index	ASTM D 2270	>95
Flash Point PMCC	ASTM D 93	210°C
Flash Point COC	ASTM D 92	220°C
Maximum Bulk Temperature		320°C
Maximum Film Temperature		340°C
Coefficient of thermal expansion		0.00077/°C
Autoignition Point	ASTM E 659	350°C
Boiling Point @ 1013 mbar		365°C
Pour Point	ASTM D 97	-15°C
Ash	ASTM D 482	<0.01 %m
Noak Volatility	ASTM D 5800	16 %m

Email the **TFS Team**, [office@thermalfluidsolutions.com](mailto:office@thermalfluidsolutions.com)  
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