MOKON

# DELF G

## OVERVIEW

**DELF G is a Polyalkylene glycol based fluid with an exclusive additive system that allows for its successful use in high demand applications such as those found in plastic processing, die casting and even open baths.**

**When it comes to oxidation resistance, DELF G will simply last longer and keep your system cleaner.**

## APPLICATION

DELF G is ideal for those troublesome applications where high rates of oxidation impacts the fluids service life. Perfect for open baths, crash cooling, high cycling rates from high to low fluid temperature's, frequent tooling change overs and boil outs to remove water from the oil lines.

## COMPATIBILITY

DELF G thermal fluid not only outperforms most other fluids it also contains a unique and proprietary additive that makes it compatible with the more commonly used petroleum based fluids.

This allows for a worry free transition across different fluid chemistries and eliminates any need for special procedures.

## ENVIRONMENTAL

**DELF HTO** is environmentally friendly, non-toxic, non-hazardous and non-reportable. **DELF HTO** poses no ill effect to worker safety.

## LASTS LONGER

In the thermal fluid industry, cost is always a concern; however, fluid longevity and resistance to harmful fouling are of equal importance.

Air contact is normally detrimental to a fluid. Oxidation can cripple your system and if left unchecked will ultimately cause catastrophic failure. Unscheduled downtime due to oil failure has a high cost and negative effect on production.

DELF G thermal fluid contains our proprietary blend of anti-oxidants, corrosion inhibitors, metal deactivators, seal and gasket extenders etc. to ensure a long trouble free service life in even the most demanding, extreme oxidation applications.

## DELF G PROPERTIES

Appearance: clear liquid, very slight yellow tint

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|---|---|---|
| **Maximum Bulk/Use Temp.*** | 500˚F | 260˚C |
| **Flash Point** ASTM D92 | 480°F | 249°C |
| **Fire Point** ASTM D92 | 505°F | 263°C |
| **Autoignition** ASTM E-659-78 | 690°F | 366°C |
| **Viscosity** ASTM D445 | | |
| cSt at 104°F / 40°C | 42.1 | |
| cSt at 250°F / 121°C | 5.16 | |
| cSt at 500°F / 260°C | 1.23 | |
| **Pour Point** ASTM D97 | -40°F | -40°C |
| **Density** ASTM D1298 | **lb/ft3** | **g/ml** |
| at 100°F / 38°C | 57.46 | 0.920 |
| at 250°F / 121°C | 55.99 | 0.896 |
| at 500°F / 260°C | 53.54 | 0.857 |
| **Thermal Expansion Coefficient** | 0.0377 %/°F | 0.0679 %/°C |
| **Thermal Conductivity** | **BTU/hr F ft** | **W/m.K** |
| at 100°F / 38°C | 0.105 | 0.181 |
| at 250°F / 121°C | 0.100 | 0.173 |
| at 500°F / 260°C | 0.092 | 0.160 |
| **Heat Capacity** | **BTU/lb F** | **kJ/kg K** |
| at 100°F / 38°C | 0.472 | 1.967 |
| at 250°F / 121°C | 0.493 | 2.063 |
| at 500°F / 260°C | 0.528 | 2.207 |
| **Vapor Pressure** ASTM D2879 | **psia** | **kPa** |
| at 100°F / 38°C | 0.04 | 0.20 |
| at 250°F / 121°C | 0.16 | 0.93 |
| at 500°F / 260°C | 0.51 | 3.40 |
| **Distillation Range** ASTM D2887 | 10% | 694°F (367°C) |
| | 90% | 957°F (513°C) |
| ***Maximum Film Temp.** | 550°F | 287°C |

The values quoted are typical of normal production. They do not constitute a specification.