Dowtherm G

Synthetic Organic Heat Transfer Fluid

DOWTHERM* G heat transfer fluid contains a mixture of di- and tri-aryl ethers that provides unequaled performance in liquid phase heat transfer systems. It is the most thermally stable low pressure liquid phase heat transfer fluid on the market today and has excellent flow characteristics at low temperatures.

Recommended use temperature range: -20 °F to 700 °F (29 °C to 371 °C)

Suitable applications: Liquid phase heat transfer systems

Typical Properties of Dowtherm G Fluid(a)

DOWTHERM G Heat Transfer Fluid
Composition: Mixture of di- and tri-aryl compounds
Color: Light amber to brown

Property	English Units	SI Units
Crystal Point	Below 40 °F	4 °C
Atmospheric Reflux Boiling Point	551°F	288°C
Flash Point (b)	256°F	124°C
Fire Point (b)	262°F	128°C
Autoignition Temperature(c)	1083°F	584°C
Estimated Critical Temperature	1007°F	542°C
Estimated Critical Pressure, atm	26	
Estimated Critical Volume,ft^3/lb	0.0483	
Molecular Weight (average)	208	
Density @ 74 °F	9.18 lb/gal	
Density @ 24 °C	9.17 lb/gal	

(a) Not to be construed as specifications
(b) C.O.C.
(c)The old ASTM procedure, D-2155-66 has been withdrawn by the testing society and replaced by ASTM E 659-78