

Solvay Chemicals DIGLYCEROL

Category : Fluid

Material Notes:

Diglycerol is a clear viscous liquid very similar to glycerol. It has a higher molecular weight than glycerol and is less volatile. It is water soluble and can be combined with aqueous systems. EINECS Number: 261-605-5/CAS Number: 59113-36-9 Information provided by Solvay

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Chemicals-DIGLYCEROL.php

Physical Properties	Metric	English	Comments
Density	1.276 g/cc	0.04610 lb/in ³	
Viscosity	13000 cP	13000 cP	Dynamic

Thermal Properties	Metric	English	Comments
CTE, linear	530 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$ @Temperature 20.0 - 60.0 $\text{Å}^\circ\text{C}$	294 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$ @Temperature 68.0 - 140 $\text{Å}^\circ\text{F}$	
Specific Heat Capacity	2.28 J/g- $\text{Å}^\circ\text{C}$	0.545 BTU/lb- $\text{Å}^\circ\text{F}$	
Thermal Conductivity	0.280 W/m-K	1.94 BTU-in/hr-ft Å^2 - $\text{Å}^\circ\text{F}$	
Boiling Point	205 $\text{Å}^\circ\text{C}$ @Pressure 0.000130 MPa	401 $\text{Å}^\circ\text{F}$ @Pressure 0.0189 psi	
Flash Point	230 $\text{Å}^\circ\text{C}$	446 $\text{Å}^\circ\text{F}$	

Optical Properties	Metric	English	Comments
Refractive Index	1.487	1.487	

Electrical Properties	Metric	English	Comments
Dielectric Constant	34	34	

Descriptive Properties	Value	Comments
Autoignition	380 $\text{Å}^\circ\text{C}$	
Color	<30	APHA
Composition	<0.5 g/kg	Water
	<50 mg/kg	Chloride

Descriptive Properties	Value	Comments
Fire point	264Â°C	
Heat of dissolution in water	-52 j/g	

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