

Solvay Chemicals Polyglycerol-3

Category : Fluid

Material Notes:

A polyglycerol characterized by a very narrow oligomer distribution centered on triglycerol.EINECS Number: 915-741-3/CAS Number: 25618-55-7Information provided by Solvay

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Chemicals-Polyglycerol-3.php

Physical Properties	Metric	English	Comments
Density	1.284 g/cc	0.04639 lb/in ³	
Viscosity	41000 cP	41000 cP	Dynamic
Molecular Weight	250 g/mol	250 g/mol	

Thermal Properties	Metric	English	Comments
CTE, linear	540 Âµm/m-Â°C @Temperature 20.0 - 40.0 Â°C	300 Âµin/in-Â°F @Temperature 68.0 - 104 Â°F	
Specific Heat Capacity	2.24 J/g-Â°C	0.535 BTU/lb-Â°F	
Thermal Conductivity	0.260 W/m-K	1.80 BTU-in/hr-ftÂ²-Â°F	
Flash Point	260 Â°C	500 Â°F	

Optical Properties	Metric	English	Comments
Refractive Index	1.491	1.491	

Electrical Properties	Metric	English	Comments
Dielectric Constant	30	30	

Descriptive Properties	Value	Comments
Appearance	Yellowish viscous liquid, having almost no odor	
Autoignition	400Â°C	
Color	<250	APHA
Composition	<1 g/kg	Water
	<10%	Pentaglycerol

Descriptive Properties	Value ng/kg	Comments
	<5%	Hexaglycerol and higher oligomers
	10-25%	Tetraglycerol
	15-30%	Diglycerol
	35-55%	Triglycerol
Fire point	296Â°C	
Heat of dissolution in water	-57 j/g	

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