

Dow VORANOL™ 4701C Polyether Polyol

Category : Polymer , Thermoset

Material Notes:

VORANOL™ 4701C polyether polyol is a high reactivity capped triol. Its nominal 4800 molecular weight and primary hydroxyl content make it well suited for the production of high resiliency, flexible molded foams. Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-VORANOL-4701C-Polyether-Polyol.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.019 g/cc	1.019 g/cc	
Viscosity Measure	61 cSt	61 cSt	
	@Temperature 98.9 °C	@Temperature 210 °F	
	435 cSt	435 cSt	
	@Temperature 37.8 °C	@Temperature 100 °F	
	860 cSt	860 cSt	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	4500 cSt	4500 cSt	
	@Temperature 0.000 °C	@Temperature 32.0 °F	
Maximum Moisture Content	0.050	0.050	wt% water
Vapor Pressure	<= 0.0000133 bar	<= 0.0100 torr	
ASTM Color	<= 50	<= 50	APHA

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	2.08 J/g-°C	0.497 BTU/lb-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
	2.27 J/g-°C	0.543 BTU/lb-°F	
	@Temperature 60.0 °C	@Temperature 140 °F	
	2.46 J/g-°C	0.588 BTU/lb-°F	
	@Temperature 100 °C	@Temperature 212 °F	
Thermal Conductivity	0.151 W/m-K	1.04 BTU-in/hr-ft²-°F	
	0.123 W/m-K	0.852 BTU-in/hr-ft²-°F	
	@Temperature 100 °C	@Temperature 212 °F	

Thermal Properties	0.126 W/m-K Metric	0.875 BTU-in/hr-ft ² -°F English	Comments
	@Temperature 40.0 °C	@Temperature 104 °F	
Flash Point	185 °C	365 °F	

Optical Properties	Metric	English	Comments
Refractive Index	1.4542	1.4542	

Chemical Properties	Metric	English	Comments
Total Acid Number	0.030	0.030	[mg/g]

Descriptive Properties	Value	Comments
Hydroxyl Number mg KOH/g	32 - 36	

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