

Dow VORANOL™ 4703 Polyether Polyol

Category : Polymer , Thermoset

Material Notes:

VORANOL™ 4703 polyether polyol is a nominal 5000 molecular weight, high reactivity capped triol. It has a high primary hydroxyl content making it suitable for use in making all types of high resiliency (HR) foam. Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-VORANOL-4703-Polyether-Polyol.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.028 g/cc	1.028 g/cc	
pH	7.5 - 9.3	7.5 - 9.3	(1 Water / 10 Methanol)
Viscosity Measure	65 cSt	65 cSt	
	@Temperature 98.9 °C	@Temperature 210 °F	
	440 cSt	440 cSt	
	@Temperature 37.8 °C	@Temperature 100 °F	
	855 cSt	855 cSt	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	4600 cSt	4600 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	1.93 J/g-°C	0.461 BTU/lb-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
	2.03 J/g-°C	0.485 BTU/lb-°F	
	@Temperature 65.0 °C	@Temperature 149 °F	
	2.13 J/g-°C	0.509 BTU/lb-°F	
	@Temperature 100 °C	@Temperature 212 °F	
	0.128 W/m-K	0.887 BTU-in/hr-ft²-°F	
Thermal Conductivity	@Temperature 100 °C	@Temperature 212 °F	

Thermal Properties	0.140 W/m-K Metric	0.971 BTU-in/hr-ft ² -°F English	Comments
	@Temperature 65.0 °C	@Temperature 149 °F	
	0.154 W/m-K	1.07 BTU-in/hr-ft ² -°F	
	@Temperature 35.0 °C	@Temperature 95.0 °F	
Flash Point	224 °C	435 °F	

Optical Properties	Metric	English	Comments
Refractive Index	1.4546	1.4546	

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

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China