

BASF Pluracol® 628 Specialty Polyol

Category : Fluid

Material Notes:

Description: Pluracol® 628 polyol is a high molecular weight, primary hydroxyl terminated diol used in the manufacture of polyurethane shoe soles and fascia products. Pluracol 628 can also be used to manufacture a variety of sealants and elastomers. Information provided by BASF

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Pluracol-628-Specialty-Polyol.php

Physical Properties	Metric	English	Comments
Density	1.01 g/cc	0.0365 lb/in ³	
	@Temperature 54.4 °C	@Temperature 130 °F	
	1.02 g/cc	0.0368 lb/in ³	
	@Temperature 37.8 °C	@Temperature 100 °F	
	1.03 g/cc	0.0372 lb/in ³	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Viscosity	270 cP	270 cP	
	@Temperature 54.5 °C	@Temperature 130 °F	
	525 cP	525 cP	
	@Temperature 37.8 °C	@Temperature 100 °F	
	1500 cP	1500 cP	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Molecular Weight	4500 g/mol	4500 g/mol	

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	1.16 J/g-°C	0.277 BTU/lb-°F	
Thermal Conductivity	0.125 W/m-K	0.868 BTU-in/hr-ft ² -°F	

Chemical Properties	Metric	English	Comments
Total Acid Number	<= 0.010	<= 0.010	STI 3063/3161

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.050 %	<= 0.050 %	STI 3062

Descriptive Properties	Value	Comments
Color	<30	APHA, STI 3057
	Clear Liquid	
Composition	Na & K	<5 ppm, STI 3038
Hydroxyl Number	24.5 - 26.5 mg KOH/g	STI 3007/3162
Unsaturation	<0.069 meq/g	STI 3056

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