

BASF Pluracol® P1010 Specialty Polyol

Category : Fluid

Material Notes:

Description: Pluracol® P polyols are a series of five polypropylene glycols formed by adding propylene oxide to a propylene glycol nucleus. Pluracol P1010, P2010 and 1044 (formerly P4010) are used in the preparation of polyurethane foams, adhesives, coatings, elastomers and sealants. Pluracol P410R and P710R are used in the preparation of one and two component polyurethane coatings, adhesives and elastomers. Information provided by BASF

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Pluracol-P1010-Specialty-Polyol.php

Physical Properties	Metric	English	Comments
Density	0.978 g/cc	0.0353 lb/in ³	
	@Temperature 60.0 °C	@Temperature 140 °F	
	0.996 g/cc	0.0360 lb/in ³	
	@Temperature 37.8 °C	@Temperature 100 °F	
	1.01 g/cc	0.0365 lb/in ³	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Viscosity	35 cP	35 cP	
	@Temperature 60.0 °C	@Temperature 140 °F	
	78 cP	78 cP	
	@Temperature 37.8 °C	@Temperature 100 °F	
	150 cP	150 cP	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Molecular Weight	1000 g/mol	1000 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	<= 0.040	<= 0.040	STI 3063/3161

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

Processing Properties	Metric	English	Comments
Descriptive Properties	Value		Comments
Color	<30		APHA, STI 3057
Composition	Na & K		<5 ppm, STI 3038
Hydroxyl Number	102 - 112 mg KOH/g		STI 3007/3162
Unsaturation	<0.026 meq/g		STI 3056

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