

BASF Pluracol® P410R 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-P410R-Specialty-Polyol.php

Physical Properties	Metric	English	Comments
Density	0.975 g/cc	0.0352 lb/in ³	
	@Temperature 60.0 °C	@Temperature 140 °F	
	0.991 g/cc	0.0358 lb/in ³	
	@Temperature 37.8 °C	@Temperature 100 °F	
	1.00 g/cc	0.0361 lb/in ³	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Viscosity	18 cP	18 cP	
	@Temperature 60.0 °C	@Temperature 140 °F	
	39 cP	39 cP	
	@Temperature 37.8 °C	@Temperature 100 °F	
	73 cP	73 cP	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Molecular Weight	400 g/mol	400 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	<= 0.015	<= 0.015	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	<40		APHA, STI 3057
Composition	Na & K		<10 ppm, STI 3038
Hydroxyl Number	250 - 270 mg KOH/g		STI 3007/3162
Unsaturation	<0.01 meq/g		STI 3056

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