

BASF Pluracol® TP 4542 Specialty Polyol

Category : Fluid

Material Notes:

Description: Pluracol® TPE 4542 polyol is a moderately high molecular weight polyether triol that can be used in polyurethane sealant applications, flexible integral skin foam and cold-cured foam applications. Information provided by BASF

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Pluracol-TP-4542-Specialty-Polyol.php

| Physical Properties | Metric | English | Comments |
|---------------------|----------------------|---------------------------|----------|
| Density | 0.987 g/cc | 0.0357 lb/in ³ | |
| | @Temperature 60.0 °C | @Temperature 140 °F | |
| | 1.00 g/cc | 0.0361 lb/in ³ | |
| | @Temperature 40.0 °C | @Temperature 104 °F | |
| | 1.01 g/cc | 0.0365 lb/in ³ | |
| | @Temperature 25.0 °C | @Temperature 77.0 °F | |
| Viscosity | 220 cP | 220 cP | |
| | @Temperature 60.0 °C | @Temperature 140 °F | |
| | 500 cP | 500 cP | |
| | @Temperature 40.0 °C | @Temperature 104 °F | |
| | 900 cP | 900 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 | |

| Chemical Properties | Metric | English | Comments |
|---------------------|----------|----------|---------------|
| Total Acid Number | <= 0.030 | <= 0.030 | STI 3063/3161 |

| Processing Properties | Metric | English | Comments |
|-----------------------|------------|------------|----------|
| Moisture Content | <= 0.040 % | <= 0.040 % | STI 3062 |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------------|
| Color | <40 | APHA, STI 3057 |

| Descriptive Properties | Value | Comments |
|------------------------|----------------------|------------------|
| Composition | Na & K | <5 ppm, STI 3038 |
| Hydroxyl Number | 36.3 - 38.3 mg KOH/g | STI 3007/3162 |
| Unsaturation | <0.09 meq/g | STI 3056 |

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