

Polykemi AB POLYelast TPE Z800 Thermoplastic Elastomer, SEBS-based

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-POLYelast-TPE-Z800-Thermoplastic-Elastomer-SEBS-based.php

| Physical Properties | Metric | English | Comments |
|-----------------------|---------------------|---------------------------|-----------------------|
| Density | 0.900 g/cc | 0.0325 lb/in ³ | ISO 1183 |
| Linear Mold Shrinkage | 0.017 - 0.024 cm/cm | 0.017 - 0.024 in/in | With Flow; ISO 2577 |
| | 0.017 - 0.024 cm/cm | 0.017 - 0.024 in/in | Across Flow; ISO 2577 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|----------------|--------------------|----------|
| Hardness, Shore A | 80 | 80 | Polykemi |
| | @Time 15.0 sec | @Time 0.00417 hour | |
| Tensile Strength at Break | <= 12.0 MPa | <= 1740 psi | ISO/R527 |
| Elongation at Break | 500 % | 500 % | ISO/R527 |
| 100% Modulus | 0.00380 GPa | 0.551 ksi | ISO/R527 |
| 300% Modulus | 0.00530 GPa | 0.769 ksi | ISO/R527 |
| Tear Strength | 26.0 kN/m | 148 pli | D624 |

| Processing Properties | Metric | English | Comments |
|-----------------------|------------------|----------------|----------|
| Melt Temperature | 180 - 220 °C | 356 - 428 °F | |
| Mold Temperature | 20.0 - 40.0 °C | 68.0 - 104 °F | |
| Back Pressure | 0.500 - 1.50 MPa | 72.5 - 218 psi | |

| Descriptive Properties | Value | Comments |
|------------------------|-------|-------------------------|
| Holding Pressure () | Low | % of injection pressure |
| Injection Pressure | Low | |
| Injection Speed () | High | |

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