

## Polykemi AB POLYelast TPE E606 Thermoplastic Elastomer, EPDM-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-E606-Thermoplastic-Elastomer-EPDM-based.php](http://www.lookpolymers.com/polymer_Polykemi-AB-POLYelast-TPE-E606-Thermoplastic-Elastomer-EPDM-based.php)

| Physical Properties   | Metric              | English                   | Comments              |
|-----------------------|---------------------|---------------------------|-----------------------|
| Density               | 1.15 g/cc           | 0.0415 lb/in <sup>3</sup> | ISO 1183              |
| Linear Mold Shrinkage | 0.015 - 0.022 cm/cm | 0.015 - 0.022 in/in       | With Flow; ISO 2577   |
|                       | 0.015 - 0.022 cm/cm | 0.015 - 0.022 in/in       | Across Flow; ISO 2577 |

| Mechanical Properties     | Metric         | English            | Comments |
|---------------------------|----------------|--------------------|----------|
| Hardness, Shore A         | 60             | 60                 | Polykemi |
|                           | @Time 15.0 sec | @Time 0.00417 hour |          |
| Tensile Strength at Break | <= 5.00 MPa    | <= 725 psi         | ISO/R527 |
| Elongation at Break       | 425 %          | 425 %              | ISO/R527 |
| 100% Modulus              | 0.00250 GPa    | 0.363 ksi          | ISO/R527 |
| 300% Modulus              | 0.00350 GPa    | 0.508 ksi          | ISO/R527 |
| Tear Strength             | 25.0 kN/m      | 143 pli            | D624     |

| Processing Properties | Metric         | English      | Comments |
|-----------------------|----------------|--------------|----------|
| Melt Temperature      | 180 - 205 °C   | 356 - 401 °F |          |
| Mold Temperature      | 40.0 - 60.0 °C | 104 - 140 °F |          |

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

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