

## Polykemi AB POLYelast TPE Z606 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-Z606-Thermoplastic-Elastomer-SEBS-based.php](http://www.lookpolymers.com/polymer_Polykemi-AB-POLYelast-TPE-Z606-Thermoplastic-Elastomer-SEBS-based.php)

| Physical Properties   | Metric              | English                   | Comments              |
|-----------------------|---------------------|---------------------------|-----------------------|
| Density               | 1.15 g/cc           | 0.0415 lb/in <sup>3</sup> | ISO 1183              |
| Linear Mold Shrinkage | 0.014 - 0.020 cm/cm | 0.014 - 0.020 in/in       | With Flow; ISO 2577   |
|                       | 0.014 - 0.020 cm/cm | 0.014 - 0.020 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 | <= 7.80 MPa                              | <= 1130 psi                             | ISO/R527  |
| Elongation at Break       | 700 %                                    | 700 %                                   | ISO/R527  |
| 100% Modulus              | 0.00180 GPa                              | 0.261 ksi                               | ISO/R527  |
| 300% Modulus              | 0.00320 GPa                              | 0.464 ksi                               | ISO/R527  |
| Tear Strength             | 30.0 kN/m                                | 171 pli                                 | D624      |
| Compression Set           | 20 %                                     | 20 %                                    | DIN 53517 |
|                           | @Temperature 23.0 °C,<br>Time 259000 sec | @Temperature 73.4 °F,<br>Time 72.0 hour |           |
|                           | 45 %                                     | 45 %                                    | DIN 53517 |
|                           | @Temperature 70.0 °C,<br>Time 86400 sec  | @Temperature 158 °F,<br>Time 24.0 hour  |           |

| 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 |
|------------------------|-------|----------|
|------------------------|-------|----------|

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Injection Pressure     | Low   |          |
| Injection Speed ()     | High  |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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