

## 5286 Polyurethane-based Biomedical Elastomer

Category : Polymer , Thermoset , Polyurethane, TS , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_5286-Polyurethane-based-Biomedical-Elastomer.php](http://www.lookpolymers.com/polymer_5286-Polyurethane-based-Biomedical-Elastomer.php)

| Physical Properties | Metric    | English   | Comments  |
|---------------------|-----------|-----------|-----------|
| Specific Gravity    | 1.12 g/cc | 1.12 g/cc | ASTM D792 |

| Mechanical Properties      | Metric    | English  | Comments           |
|----------------------------|-----------|----------|--------------------|
| Hardness, Shore A          | 86        | 86       | ASTM D2240         |
| Tensile Strength, Ultimate | 41.4 MPa  | 6000 psi | ASTM D412          |
| Tensile Strength, Yield    | 4.83 MPa  | 700 psi  | at 100%; ASTM D412 |
| Elongation at Break        | 550 %     | 550 %    | ASTM D412          |
| Tear Strength              | 87.7 kN/m | 500 pli  | die B; ASTM D624   |
| Compression Set            | 16 %      | 16 %     | ASTM D395          |

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