

## PB1100-55 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\\_PB1100-55-Polyurethane-based-Biomedical-Elastomer.php](http://www.lookpolymers.com/polymer_PB1100-55-Polyurethane-based-Biomedical-Elastomer.php)

| Physical Properties | Metric    | English   | Comments  |
|---------------------|-----------|-----------|-----------|
| Specific Gravity    | 1.02 g/cc | 1.02 g/cc | ASTM D792 |

| Mechanical Properties      | Metric    | English   | Comments           |
|----------------------------|-----------|-----------|--------------------|
| Hardness, Shore A          | 55        | 55        | ASTM D2240         |
| Tensile Strength, Ultimate | 14.8 MPa  | 2150 psi  | ASTM D412          |
| Tensile Strength, Yield    | 0.931 MPa | 135 psi   | at 100%; ASTM D412 |
| Elongation at Break        | 800 %     | 800 %     | ASTM D412          |
| Tear Strength              | 24.5 kN/m | 140 pli   | die C; ASTM D624   |
| Compression Set            | 55 - 66 % | 55 - 66 % | ASTM D395          |

### Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China