

## SK Chemicals SKYTHANE® 155D S series Polyurethane

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyurethane, TP

### Material Notes:

SKYTHANE is a thermoplastic polyurethane elastomer (TPU). Like materials ranging from rubber to plastics, it has excellent physical properties such as anti-abrasion, oil-resistance and mechanical property. It is widely used for automotive parts and various industrial parts. Information provided by SK Chemicals

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SK-Chemicals-SKYTHANE-155D-S-series-Polyurethane.php](http://www.lookpolymers.com/polymer_SK-Chemicals-SKYTHANE-155D-S-series-Polyurethane.php)

| Physical Properties   | Metric       | English      | Comments  |
|-----------------------|--------------|--------------|-----------|
| Specific Gravity      | 1.24 g/cc    | 1.24 g/cc    | ASTM D792 |
| Linear Mold Shrinkage | 0.0045 cm/cm | 0.0045 in/in | ASTM D955 |

| Mechanical Properties          | Metric        | English       | Comments                          |
|--------------------------------|---------------|---------------|-----------------------------------|
| Hardness, Shore D              | 60            | 60            | ASTM D2240                        |
| Tensile Strength, Ultimate     | 57.9 MPa      | 8390 psi      | ASTM D412                         |
| Tensile Strength, Yield        | 23.5 MPa      | 3410 psi      | ASTM D412                         |
|                                | @Strain 100 % | @Strain 100 % |                                   |
|                                | 40.2 MPa      | 5830 psi      | ASTM D412                         |
|                                | @Strain 300 % | @Strain 300 % |                                   |
| Elongation at Break            | 500 %         | 500 %         | ASTM D412                         |
| Resilience                     | 39            | 39            | by vertical rebound; ASTM D2632   |
| Tear Strength                  | 206 kN/m      | 1180 pli      | Die C; ASTM D624                  |
| Taber Abrasion, mg/1000 Cycles | 60            | 60            | H18 Wheel; 1000g load; ASTM D1044 |

| Thermal Properties    | Metric  | English | Comments   |
|-----------------------|---------|---------|------------|
| Vicat Softening Point | 155 Â°C | 311 Â°F | ASTM D1525 |

## Contact Songhan Plastic Technology Co.,Ltd.

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