

## STAR Thermoplastic Alloys & Rubbers StarFlex® P 7160-1000 TPE

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Elastomer, Melt-Processible Rubber

### Material Notes:

Product Description: StarFlex P 7160-1000 is an easy processing TPE designed for injection molding Features:Soft TouchRubbery

FeelExcellent ColorabilityGood WeatherabilityFDA and medical grades availableProcessing Method: Injection MoldingInformation Provided by STAR Thermoplastic Elastomers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_STAR-Thermoplastic-Alloys-Rubbers-StarFlex-P-7160-1000-TPE.php](http://www.lookpolymers.com/polymer_STAR-Thermoplastic-Alloys-Rubbers-StarFlex-P-7160-1000-TPE.php)

| Physical Properties | Metric                                                      | English                                                     | Comments   |
|---------------------|-------------------------------------------------------------|-------------------------------------------------------------|------------|
| Specific Gravity    | 1.06 g/cc                                                   | 1.06 g/cc                                                   | ASTM D792  |
| Viscosity           | 6800 cP<br>@Shear Rate 10994<br>1/s,<br>Temperature 210 Â°C | 6800 cP<br>@Shear Rate 10994<br>1/s,<br>Temperature 410 Â°F | ASTM D3835 |

| Mechanical Properties     | Metric                        | English                      | Comments         |
|---------------------------|-------------------------------|------------------------------|------------------|
| Hardness, Shore A         | 61<br>@Time 10.0 sec          | 61<br>@Time 0.00278 hour     | ASTM D2240       |
| Tensile Strength at Break | 5.21 MPa<br>@Time 7200 sec    | 756 psi<br>@Time 2.00 hour   | Die C; ASTM D414 |
| Elongation at Break       | 613 %<br>@Time 7200 sec       | 613 %<br>@Time 2.00 hour     | Die C; ASTM D412 |
| 300% Modulus              | 0.00199 GPa<br>@Time 7200 sec | 0.289 ksi<br>@Time 2.00 hour | Die C; ASTM D412 |
| Tear Strength             | 23.7 kN/m                     | 135 pli                      | ASTM D624        |

| Descriptive Properties | Value   | Comments |
|------------------------|---------|----------|
| Color                  | Natural |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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