

## ELASTO UK Dryflex® 660550S SEBS Based Material, Semi-Filled Qualities, 55A Hardness, Natural

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

### Material Notes:

The 660-series is recommended when the properties of the produced detail requires the advantages of the 500-series in combination with the 600-series. A semi-filled material can therefore combine the advantages of the other two series. The material has good flow and mechanical properties as well as reasonable scratch resistance. Information from Vita Thermoplastic Polymers (VTP). Vita Thermoplastic Polymers was acquired by HEXPOL and is now ELASTO

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ELASTO-UK-Dryflex-660550S-SEBS-Based-Material-Semi-Filled-Qualities-55A-Hardness-Natural.php](http://www.lookpolymers.com/polymer_ELASTO-UK-Dryflex-660550S-SEBS-Based-Material-Semi-Filled-Qualities-55A-Hardness-Natural.php)

| Physical Properties   | Metric                                               | English                                              | Comments   |
|-----------------------|------------------------------------------------------|------------------------------------------------------|------------|
| Specific Gravity      | 1.05 g/cc                                            | 1.05 g/cc                                            | ASTM D792  |
| Linear Mold Shrinkage | 0.0080 - 0.020 cm/cm                                 | 0.0080 - 0.020 in/in                                 |            |
| Melt Flow             | 5.0 g/10 min<br>@Load 2.16 kg,<br>Temperature 190 °C | 5.0 g/10 min<br>@Load 4.76 lb,<br>Temperature 374 °F | ASTM D1238 |

| Mechanical Properties     | Metric                   | English                   | Comments                   |
|---------------------------|--------------------------|---------------------------|----------------------------|
| Hardness, Shore A         | 55<br>@Thickness 4.00 mm | 55<br>@Thickness 0.157 in | ASTM D2240                 |
| Tensile Strength at Break | 6.00 MPa                 | 870 psi                   | ASTM D638                  |
| Elongation at Break       | >= 600 %                 | >= 600 %                  | ASTM D638                  |
| 100% Modulus              | 0.00200 GPa              | 0.290 ksi                 | ASTM D638                  |
| 300% Modulus              | 0.00300 GPa              | 0.435 ksi                 | ASTM D638                  |
| Tear Strength             | 22.0 kN/m                | 126 pli                   | ASTM D624                  |
| Compression Set           | 17 %                     | 17 %                      | at 23°C, 72 hrs; ASTM D395 |

| Thermal Properties               | Metric   | English  | Comments |
|----------------------------------|----------|----------|----------|
| Maximum Service Temperature, Air | 125 °C   | 257 °F   |          |
| Minimum Service Temperature, Air | -50.0 °C | -58.0 °F |          |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
|-----------------------|--------|---------|----------|

| Processing Temperature<br>Processing Properties | 180 - 210 °C<br>Metric | 356 - 410 °F<br>English                                 | Comments |
|-------------------------------------------------|------------------------|---------------------------------------------------------|----------|
| Descriptive Properties                          | Value                  | Comments                                                |          |
| Bonding to PP                                   | Excellent              |                                                         |          |
| Chemical Resistance                             | Good                   | Excluding organic solvents, aromatic and vegetable oils |          |
| Color                                           | Natural                |                                                         |          |
| Weather Resistance                              | Excellent              | Air ageing                                              |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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