

## Spartech Formalloy HG High-Gloss TPO Alloy Specialty Sheet

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Olefinic Elastomer (TPO) , TPO

### Material Notes:

Description: Specialty Sheet Information provided by Spartech.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Spartech-Formalloy-HG-High-Gloss-TPO-Alloy-Specialty-Sheet.php](http://www.lookpolymers.com/polymer_Spartech-Formalloy-HG-High-Gloss-TPO-Alloy-Specialty-Sheet.php)

| Physical Properties | Metric    | English   | Comments  |
|---------------------|-----------|-----------|-----------|
| Specific Gravity    | 1.07 g/cc | 1.07 g/cc | ASTM D792 |

| Mechanical Properties     | Metric   | English  | Comments  |
|---------------------------|----------|----------|-----------|
| Tensile Strength at Break | 30.3 MPa | 4400 psi | ASTM D638 |
| Tensile Strength, Yield   | 23.4 MPa | 3400 psi | ASTM D638 |
| Elongation at Break       | 400 %    | 400 %    | ASTM D638 |
| Flexural Modulus          | 1.10 GPa | 160 ksi  | ASTM D790 |

| Thermal Properties                          | Metric                                                                       | English                                                                         | Comments  |
|---------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------|
| CTE, linear                                 | 108 $\mu\text{m/m-}^{\circ}\text{C}$<br>@Temperature 20.0 $^{\circ}\text{C}$ | 60.0 $\mu\text{in/in-}^{\circ}\text{F}$<br>@Temperature 68.0 $^{\circ}\text{F}$ | ASTM D696 |
| Deflection Temperature at 0.46 MPa (66 psi) | 82.2 $^{\circ}\text{C}$                                                      | 180 $^{\circ}\text{F}$                                                          | ASTM D648 |

| Optical Properties | Metric    | English   | Comments            |
|--------------------|-----------|-----------|---------------------|
| Gloss              | 80 - 85 % | 80 - 85 % | Gardner; ASTM D2523 |

## Contact Songhan Plastic Technology Co.,Ltd.

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