

## AlphaGary Evoprene™ 025 Standard SBS Thermoplastic Elastomer Compound

Category : Polymer , Thermoplastic , Elastomer, TPE , Styrenic TPE

### Material Notes:

The Evoprene™ Standard is a styrene-butadiene -styrene based thermoplastic elastomer. Applications: extruded door, window and furniture seals and rubbing strips, mats, bump stops, grommets, coat hanger pads, toy components

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_AlphaGary-Evoprene-025-Standard-SBS-Thermoplastic-Elastomer-Compound.php](http://www.lookpolymers.com/polymer_AlphaGary-Evoprene-025-Standard-SBS-Thermoplastic-Elastomer-Compound.php)

| Physical Properties   | Metric                    | English                   | Comments                                               |
|-----------------------|---------------------------|---------------------------|--------------------------------------------------------|
| Specific Gravity      | 1.00 g/cc                 | 1.00 g/cc                 | ISO 2782                                               |
| Viscosity Measurement | 21<br>@Temperature 150 °C | 21<br>@Temperature 302 °F | Kg/cm <sup>2</sup> ; Macklow-Smith extrusion rheometer |

| Mechanical Properties | Metric                                           | English                                         | Comments |
|-----------------------|--------------------------------------------------|-------------------------------------------------|----------|
| Hardness, Shore A     | 38                                               | 38                                              | ISO 868  |
| Tensile Strength      | 4.40 MPa                                         | 638 psi                                         | ISO 37   |
| Elongation at Break   | 1010 %                                           | 1010 %                                          | ISO 37   |
| 100% Modulus          | 0.000800 GPa                                     | 0.116 ksi                                       | ISO 37   |
| Tear Strength         | 20.0 kN/m                                        | 114 pli                                         | ISO 34-B |
| Compression Set       | 25 %<br>@Temperature 22.0 °C,<br>Time 259000 sec | 25 %<br>@Temperature 71.6 °F,<br>Time 72.0 hour | ISO 815  |

| Thermal Properties               | Metric         | English      | Comments |
|----------------------------------|----------------|--------------|----------|
| Maximum Service Temperature, Air | 55.0 - 60.0 °C | 131 - 140 °F |          |
| Minimum Service Temperature, Air | -60.0 °C       | -76.0 °F     |          |

| Descriptive Properties | Value           | Comments |
|------------------------|-----------------|----------|
| Bonds with             | Polystyrene     |          |
| Chemical Resistance    | Acetone         | Moderate |
|                        | Acids up to 80% | Moderate |
|                        | Alcohol         | Good     |
|                        | Alkalis         | Good     |

| Descriptive Properties | Value <small>fluid</small> | Comments                        |
|------------------------|----------------------------|---------------------------------|
|                        | Chlorinate solvents        | Poor                            |
|                        | Diesel                     | Poor                            |
|                        | Ethylene glycol            | Excellent                       |
|                        | Gasoline                   | Poor                            |
|                        | Salt solution              | Good                            |
|                        | Soda lye                   | Moderate                        |
|                        | Water, 23°C                | Good                            |
|                        | Water, 95°C                | Poor                            |
| Ozone Resistance       | Fail - Crack               | 100 pphm / 200 hrs / 20% strain |
| Transparency           | Opaque                     |                                 |

## 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