

## E-Polymers EFLEX® S5040 Extrusion

Category : Polymer , Thermoplastic , Elastomer, TPE , Styrenic TPE , Polypropylene (PP)

### Material Notes:

S-series ( SBS, SEBS compound resins): E-FLEX S series resins are based on SBS/SEBS/SEEPS/PP exhibiting excellent high and low temperature resistance and easy processing with conventional thermoplastic equipment. Overmolding grade is based on SEBS/SEEPS/engineering plastics and exhibit excellent adhesion to engineering plastics as PA, PC, ABS, PC/ABS, PBT. It has product lines for general grade, transparent grade, overmolding grade, high temperature grade, medical grade and extrusion grade. Information Provided by E-Polymers Co., Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_E-Polymers-EFLEX-S5040-Extrusion.php](http://www.lookpolymers.com/polymer_E-Polymers-EFLEX-S5040-Extrusion.php)

| Physical Properties | Metric                               | English                              | Comments   |
|---------------------|--------------------------------------|--------------------------------------|------------|
| Melt Flow           | 0.50 g/10 min                        | 0.50 g/10 min                        | ASTM D1238 |
|                     | @Load 2.16 kg,<br>Temperature 230 °C | @Load 4.76 lb,<br>Temperature 446 °F |            |

| Mechanical Properties | Metric               | English              | Comments   |
|-----------------------|----------------------|----------------------|------------|
| Hardness, Shore A     | 40                   | 40                   | ASTM D2240 |
| Tensile Strength      | 17.658 MPa           | 2561.1 psi           | ASTM D412  |
| Elongation at Break   | 950 %                | 950 %                | ASTM D412  |
| Compression Set       | 15 %                 | 15 %                 | ASTM D395  |
|                       | @Temperature 23.0 °C | @Temperature 73.4 °F |            |
|                       | 35 %                 | 35 %                 | ASTM D395  |
|                       | @Temperature 70.0 °C | @Temperature 158 °F  |            |

## Contact Songhan Plastic Technology Co.,Ltd.

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