

E-Polymers EFLEX® V2045 SEBS/TPV

Category : Polymer , Thermoplastic , Elastomer, TPE , Styrenic TPE , Thermoplastic Vulcanizate Elastomer (TPV)

Material Notes:

V-series (Thermoplastic Vulcanizate Resins): E-FLEX V series resins are a family of thermoplastic elastomers which exhibit rubber-like properties and are processable on conventional thermoplastic equipment. E-FLEX V series resins are based on EPDM/PP or SEBS/SEEPS/PP(PE) utilizing new reactive grade polyolefins exhibiting high value/cost performance. It shows low temperature toughness, chemical resistance, ozone and UV resistant and wide service temperature range from -55 to 120°C for airbag covers, air dams, license plate holders and interior, as well as weather strip and exterior trim applications in automobile industry, for gasket in construction and appliance industry. Information Provided by E-Polymers Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_E-Polymers-EFLEX-V2045-SEBTPV.php

| Physical Properties | Metric | English | Comments |
|---------------------|---|---|------------|
| Specific Gravity | 0.900 g/cc | 0.900 g/cc | ASTM D792 |
| Melt Flow | 11 g/10 min @Load 10.0 kg, Temperature 230 °C | 11 g/10 min @Load 22.0 lb, Temperature 446 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|------------------------------|------------------------------|------------|
| Hardness, Shore A | 46 | 46 | ASTM D2240 |
| Tensile Strength | 4.905 MPa | 711.4 psi | ASTM D412 |
| Elongation at Break | 750 % | 750 % | ASTM D412 |
| Compression Set | 15 % @Temperature 23.0 °C | 15 % @Temperature 73.4 °F | ASTM D395 |
| | 32 % @Temperature 100 °C | 32 % @Temperature 212 °F | ASTM D395 |

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