# Elastron® G G101.A55.B.E

Styrene Ethylene Butylene Styrene Block Copolymer

Elastron USA, Inc.

## Message:

A soft, black SEBS based thermoplastic elastomer (TPE) compound that offers average physical properties and chemical resistance.
Bondable to: PP, EVA, PE

| General Information | |
|---|---|
| Features | Block Copolymer |
| | Bondability |
| | Good Chemical Resistance |
| | Soft |
| RoHS Compliance | RoHS Compliant |
| Appearance | Black |
| Forms | Pellets |
| Processing Method | Extrusion |
| | Injection Molding |

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Specific Gravity | 1.05 | g/cm³ | ASTM D792 |
| Molding Shrinkage | | | ASTM D955 |
| Flow | 3.3 | % | |
| Across Flow | 1.5 | % | |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Durometer Hardness (Shore A) | 55 | | ASTM D2240 |
| **Elastomers** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Stress | | | ASTM D412 |
| 100% Strain | 1.60 | MPa | |
| 300% Strain | 2.40 | MPa | |
| Tensile Strength (Break) | 3.50 | MPa | ASTM D412 |
| Tensile Elongation (Break) | 550 | % | ASTM D412 |
| Tear Strength | 26.0 | kN/m | ASTM D624 |
| Compression Set | | | ASTM D395 |
| 23°C, 22 hr | 19 | % | |
| 70°C, 22 hr | 60 | % | |
| **Injection** | **Nominal Value** | **Unit** | |
| Suggested Max Regrind | 20 | % | |
| Rear Temperature | 145 to 175 | °C | |
| Middle Temperature | 155 to 185 | °C | |

| | | |
|---|---|---|
| Front Temperature | 160 to 190 | °C |
| Nozzle Temperature | 175 to 205 | °C |
| Mold Temperature | 25.0 to 50.0 | °C |

| Extrusion | Nominal Value | Unit |
|---|---|---|
| Cylinder Zone 1 Temp. | 150 to 170 | °C |
| Cylinder Zone 2 Temp. | 155 to 175 | °C |
| Cylinder Zone 3 Temp. | 165 to 185 | °C |
| Cylinder Zone 4 Temp. | 175 to 205 | °C |
| Cylinder Zone 5 Temp. | 180 to 210 | °C |
| Die Temperature | 190 to 210 | °C |



## Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China