

Elastron® G G400.A05.B

Styrene Ethylene Butylene Styrene Block Copolymer

Elastron USA, Inc.

Message:

A soft, black unfilled SEBS based thermoplastic elastomer (TPE) compound which has very good physical properties and chemical resistance. This product is a good option when good scratch and abrasion resistance is required.

Bondable to: PP, EVA, PE

| General Information | | | |
|------------------------------|--------------------------|-------------------|-------------|
| Features | Block Copolymer | | |
| | Bondability | | |
| | Good Abrasion Resistance | | |
| | Good Chemical Resistance | | |
| | Scratch Resistant | | |
| | Soft | | |
| RoHS Compliance | RoHS Compliant | | |
| Appearance | Black | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.870 | g/cm ³ | ASTM D792 |
| Molding Shrinkage | | | ASTM D955 |
| Flow | 8.6 | % | |
| Across Flow | 1.5 | % | |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A) | 5 | | ASTM D2240 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress | | | ASTM D412 |
| 100% Strain | 0.700 | MPa | |
| 300% Strain | 1.60 | MPa | |
| Tensile Strength (Break) | 2.00 | MPa | ASTM D412 |
| Tensile Elongation (Break) | 1300 | % | ASTM D412 |
| Additional Information | Nominal Value | | Test Method |
| Ozone Resistance - Stressed | No Cracks | | ASTM D518 |
| 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 | |

| | | |
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| Mold Temperature | 25.0 to 50.0 | °C |
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