

Elastron® G G500.A80.B.ABS

Styrene Ethylene Butylene Styrene Block Copolymer

Elastron USA, Inc.

Message:

A soft, black SEBS based thermoplastic elastomer (TPE) compound specially designed for excellent adhesion to ABS/PC.

Bondable to: ABS, PC

| General Information | | | |
|------------------------------|-------------------|-------------------|-------------|
| Features | Block Copolymer | | |
| | Bondability | | |
| | Good Adhesion | | |
| | Soft | | |
| RoHS Compliance | RoHS Compliant | | |
| Appearance | Black | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.10 | g/cm ³ | ASTM D792 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A) | 80 | | ASTM D2240 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress | | | ASTM D412 |
| 100% Strain | 3.30 | MPa | |
| 300% Strain | 7.00 | MPa | |
| Tensile Strength (Break) | 18.0 | MPa | ASTM D412 |
| Tensile Elongation (Break) | 700 | % | ASTM D412 |
| Tear Strength | 55.0 | kN/m | ASTM D624 |
| Compression Set | | | ASTM D395 |
| 23°C, 22 hr | 25 | % | |
| 70°C, 22 hr | 67 | % | |
| 100°C, 22 hr | 86 | % | |
| Additional Information | Nominal Value | | Test Method |
| Ozone Resistance - Stressed | No Cracks | | ASTM D518 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 80.0 | °C | |
| Drying Time | 3.0 | hr | |
| Suggested Max Regrind | 20 | % | |
| Rear Temperature | 170 to 190 | °C | |
| Middle Temperature | 180 to 200 | °C | |

| | | |
|--------------------|--------------|----|
| Front Temperature | 190 to 200 | °C |
| Nozzle Temperature | 200 to 210 | °C |
| Mold Temperature | 40.0 to 60.0 | °C |

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