

Elastron® D D100.A30.B

Styrene Butadiene Styrene Block Copolymer

Elastron USA, Inc.

Message:

A soft, black SBS based thermoplastic elastomer (TPE) compound designed for injection molding applications.
Bondable to: PP, EVA, PE

| General Information | | | |
|-------------------------------|-------------------|-------------------|-------------|
| Features | Block Copolymer | | |
| | Bondability | | |
| | Soft | | |
| RoHS Compliance | RoHS Compliant | | |
| Appearance | Black | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.09 | g/cm ³ | ASTM D792 |
| Molding Shrinkage | | | ASTM D955 |
| Flow | 4.4 | % | |
| Across Flow | 1.7 | % | |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A) | 30 | | ASTM D2240 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress | | | ASTM D412 |
| 100% Strain | 0.400 | MPa | |
| 300% Strain | 0.700 | MPa | |
| Tensile Strength (Break) | 3.00 | MPa | ASTM D412 |
| Tensile Elongation (Break) | 900 | % | ASTM D412 |
| Tear Strength | 11.0 | kN/m | ASTM D624 |
| Compression Set (23°C, 22 hr) | 10 | % | ASTM D395 |
| Injection | Nominal Value | Unit | |
| Suggested Max Regrind | 20 | % | |
| Rear Temperature | 140 to 150 | °C | |
| Middle Temperature | 145 to 160 | °C | |
| Front Temperature | 150 to 165 | °C | |
| Nozzle Temperature | 165 to 185 | °C | |
| Mold Temperature | 25.0 to 50.0 | °C | |

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