

Dryflex® 982107

Styrene Ethylene Butylene Styrene Block Copolymer

ELASTO

Message:

Dryflex 982107: Thermoplastic Elastomer
Material Type: TPS-SEBS
Hardness 57 Shore A (4mm)
Service Temperature Range: -50 -- +100 °C (unstressed material)
Colour: Translucent, but can be available in any colour.
Presentation: Free flowing pellets that can be processed without predrying, when stored under normal conditions.
Weather Resistance: Excellent
Chemical Resistance: Good (excluding organic solvents, aromatic- and vegetable oils)
Recyclability: 100% recyclable

| General Information | | | |
|---|--------------------------|-------------------|-------------|
| Features | Good Chemical Resistance | | |
| | Good Colorability | | |
| | Good Processability | | |
| | Good Weather Resistance | | |
| | Recyclable Material | | |
| Appearance | Colors Available | | |
| | Translucent | | |
| Forms | Pellets | | |
| Processing Method | Extrusion | | |
| | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.890 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (190°C/5.0 kg) | 3.0 | g/10 min | ASTM D1238 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A, 4.00 mm) | 57 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | | | ASTM D638 |
| 100% Secant | 2.00 | MPa | |
| 300% Secant | 3.00 | MPa | |
| Tensile Strength | 14.0 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 600 | % | ASTM D638 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tear Strength | 39.0 | kN/m | ASTM D624 |
| Thermal | Nominal Value | Unit | |
| Service Temperature - Unstressed Material | -50 to 100 | °C | |

| Injection | Nominal Value | Unit |
|-----------------------|---------------|------|
| Rear Temperature | 180 to 210 | °C |
| Middle Temperature | 180 to 210 | °C |
| Front Temperature | 180 to 210 | °C |
| Mold Temperature | 30.0 to 60.0 | °C |
| Extrusion | Nominal Value | Unit |
| Cylinder Zone 1 Temp. | 150 to 210 | °C |
| Cylinder Zone 2 Temp. | 150 to 210 | °C |
| Cylinder Zone 3 Temp. | 150 to 210 | °C |
| Cylinder Zone 4 Temp. | 150 to 210 | °C |
| Cylinder Zone 5 Temp. | 150 to 210 | °C |

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