

NILFLEX® SH A40 MC009

Styrene Ethylene Butylene Styrene Block Copolymer

Taro Plast S.p.A.

Message:

SEBS elastomer is the main constituent of these TPE-S (Thermoplastic Elastomer Styrenic) compounds. These compounds show high UV and ozone resistance. Nilflex SH is totally recyclable and it can be produced in standard grades and in tailor-made grades. Available in natural, black and colored grade.

| General Information | | | |
|--|---------------------|-------------------|-------------|
| Filler / Reinforcement | Filler | | |
| Features | Good UV Resistance | | |
| | Ozone Resistant | | |
| | Recyclable Material | | |
| Appearance | Black | | |
| | Colors Available | | |
| | Natural Color | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.05 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (190°C/5.0 kg) | 35 | g/10 min | ISO 1133 |
| Hardness | Nominal Value | Unit | Test Method |
| Shore Hardness (Shore A, 3 sec) | 40 | | ISO 868 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress ¹ | | | ASTM D412 |
| 100% Strain | 0.630 | MPa | |
| 300% Strain | 1.21 | MPa | |
| Tensile Strength ² (Break) | 7.50 | MPa | ASTM D412 |
| Tensile Elongation ³ (Break) | 920 | % | ASTM D412 |
| Tear Strength | 19.2 | kN/m | ASTM D624 |
| Compression Set | | | ASTM D395B |
| 70°C, 22 hr | 35 | % | |
| 100°C, 22 hr | 70 | % | |
| Injection | Nominal Value | Unit | |
| Processing (Melt) Temp | 140 to 210 | °C | |
| NOTE | | | |
| 1. | Die C | | |
| 2. | Die C | | |
| 3. | Die C | | |

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Recommended distributors for this material

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