

Milastomer™ 8032BS

Mitsui Chemicals America, Inc. - *Thermoplastic Vulcanizate*
General Information
General

| | |
|-------------------|---|
| Material Status | • Commercial: Active |
| Availability | • North America |
| Uses | • Flexible Grips • Gaskets • Weatherstripping |
| Appearance | • Black |
| Forms | • Pellets |
| Processing Method | • Extrusion • Injection Molding |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|-------------------|-------------|
| Density | 0.890 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (230°C/10.0 kg) | 15 | g/10 min | ISO 1133 |

| Elastomers | Nominal Value | Unit | Test Method |
|---|---------------|------|-------------|
| Tensile Stress ² (100% Strain) | 464 | psi | ISO 37 |
| Tensile Stress ² (Break) | 1030 | psi | ISO 37 |
| Tensile Elongation ² (Break) | 580 | % | ISO 37 |
| Compression Set | | | ISO 815 |
| 73°F, 22 hr | 30 | % | |
| 158°F, 22 hr | 51 | % | |

| Hardness | Nominal Value | Unit | Test Method |
|----------------|---------------|------|-------------|
| Shore Hardness | | | ISO 48 |
| Shore A | 83 | | |
| Shore A, 5 sec | 79 | | |

| Thermal | Nominal Value | Unit | Test Method |
|-------------------------|---------------|------|-----------------|
| Brittleness Temperature | < -76.0 | °F | Internal Method |

Additional Information

All tests performed according to Mitsui methods.

Notes
¹ Typical properties: these are not to be construed as specifications.

² 20 in/min
