

# THERMORUN® Z103B/N

Thermoplastic Elastomer

Mitsubishi Chemical Performance Polymers, Inc.

Message:

THERMORUN® Z103B/N is a thermoplastic elastomer (TPE) material. This product is available in North America, Europe or Asia Pacific.

| General Information                       |               |                   |             |
|-------------------------------------------|---------------|-------------------|-------------|
| Appearance                                | Black         |                   |             |
|                                           | Natural color |                   |             |
| Physical                                  | Nominal Value | Unit              | Test Method |
| Density                                   | 0.900         | g/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 15            | g/10 min          | ISO 1133    |
| Molding Shrinkage                         |               |                   | ISO 294-4   |
| Transverse flow                           | 1.3           | %                 | ISO 294-4   |
| Flow                                      | 1.3           | %                 | ISO 294-4   |
| Mechanical                                | Nominal Value | Unit              | Test Method |
| Flexural Modulus                          | 250           | MPa               | ISO 178     |
| Elastomers                                | Nominal Value | Unit              | Test Method |
| Tensile Stress                            |               |                   | ISO 37      |
| Yield                                     | 8.00          | MPa               | ISO 37      |
| Fracture                                  | 12.0          | MPa               | ISO 37      |
| Tensile Elongation (Break)                | 500           | %                 | ISO 37      |
| Impact                                    | Nominal Value | Unit              | Test Method |
| Notched Izod Impact                       |               |                   | ISO 180     |
| -40°C, partial fracture                   | 60            | kJ/m <sup>2</sup> | ISO 180     |
| -30°C, local fracture                     | 60            | kJ/m <sup>2</sup> | ISO 180     |

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