

# PRIMALLOY® B1910

Thermoplastic Elastomer

Mitsubishi Chemical Performance Polymers, Inc.

## Message:

PRIMALLOY® B1910 is a Thermoplastic Elastomer (TPE) material. It is available in Asia Pacific, Europe, or North America. Primary attribute of PRIMALLOY® B1910: Flame Rated.

| General Information                       |                          |                   |                 |
|-------------------------------------------|--------------------------|-------------------|-----------------|
| UL YellowCard                             | E117009-526665           |                   |                 |
| Physical                                  | Nominal Value            | Unit              | Test Method     |
| Density                                   | 1.14                     | g/cm <sup>3</sup> | ISO 1183        |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 24                       | g/10 min          | ISO 1133        |
| Molding Shrinkage <sup>1</sup>            |                          |                   | Internal Method |
| Across Flow : 2.00 mm                     | 1.0                      | %                 |                 |
| Flow : 2.00 mm                            | 1.1                      | %                 |                 |
| Hardness                                  | Nominal Value            | Unit              | Test Method     |
| Shore Hardness (Shore D)                  | 42                       |                   | ISO 868         |
| Mechanical                                | Nominal Value            | Unit              | Test Method     |
| Tensile Stress (Break)                    | 32.0                     | MPa               | ISO 527-2       |
| Nominal Tensile Strain at Break           | 860                      | %                 | ISO 527-2       |
| Flexural Modulus                          | 120                      | MPa               | ISO 178         |
| Flexural Stress                           | 6.50                     | MPa               | ISO 178         |
| Elastomers                                | Nominal Value            | Unit              | Test Method     |
| Tear Strength                             | 120                      | kN/m              | ISO 34-1        |
| Flammability                              | Nominal Value            |                   | Test Method     |
| Flame Rating                              | HB                       |                   | UL 94           |
| NOTE                                      |                          |                   |                 |
| 1.                                        | 120x120x2 mm test plaque |                   |                 |

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## Recommended distributors for this material

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