

# PRIMALLOY® B1922

Thermoplastic Elastomer

Mitsubishi Chemical Performance Polymers, Inc.

## Message:

PRIMALLOY® B1922 is a Thermoplastic Elastomer (TPE) material. It is available in Asia Pacific, Europe, or North America.

| General Information                       |                          |                   |                        |
|-------------------------------------------|--------------------------|-------------------|------------------------|
| Physical                                  | Nominal Value            | Unit              | Test Method            |
| Density                                   | 1.19                     | g/cm <sup>3</sup> | ISO 1183               |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 33                       | g/10 min          | ISO 1133               |
| Molding Shrinkage <sup>1</sup>            |                          |                   | Internal Method        |
| Across Flow : 2.00 mm                     | 1.3                      | %                 |                        |
| Flow : 2.00 mm                            | 1.4                      | %                 |                        |
| Hardness                                  | Nominal Value            | Unit              | Test Method            |
| Shore Hardness (Shore D)                  | 50                       |                   | ISO 868                |
| Mechanical                                | Nominal Value            | Unit              | Test Method            |
| Tensile Stress (Break)                    | 48.0                     | MPa               | ISO 527-2              |
| Nominal Tensile Strain at Break           | 900                      | %                 | ISO 527-2              |
| Flexural Modulus                          | 200                      | MPa               | ISO 178                |
| Flexural Stress                           | 10.0                     | MPa               | ISO 178                |
| Thermal                                   | Nominal Value            | Unit              | Test Method            |
| Vicat Softening Temperature               | 185                      | °C                | JIS K7206 <sup>2</sup> |
| NOTE                                      |                          |                   |                        |
| 1.                                        | 120x120x2 mm test plaque |                   |                        |
| 2.                                        | 50°C/h, A (10N)          |                   |                        |

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## Recommended distributors for this material

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