

## Brandonite® 1700-75D

### PRODUCT DESCRIPTION

**Brandonite® 1700-75D** is a high performance polyurethane elastomer combining the properties of high tensile strength, outstanding low-temperature flexibility, elasticity, and excellent resistance to wear and hydrolytic degradation.

### Applications

**Brandonite® 1700-75D** is well suited for numerous end use applications. Typical uses include a variety of cast components being used in marine and other industrial applications.

**Brandonite® 1700-75D** is specially formulated to provide the following physical and mechanical properties:

| PROPERTIES  | TEST METHOD   | UNIT OF MEASURE     | RESULT       |
|---|---------------|---------------------|--------------|
| Specific Gravity  | ASTM D 792    | sp gr 23/23°C       | 1.200        |
| Shore Hardness  | ASTM D 2240   | D Scale             | 75           |
| Tensile Strength  | ASTM D 412    | psi (MPa)           | 8,800 (60.7) |
| Elongation at Break   | ASTM D 412    | %                   | 260          |
| Flexural Modulus  | ASTM D 790    | psi (MPa)           | 85,000 (586) |
| Tear Strength   | ASTM D 470    | lb./inch (MPa)      | 112 (19.5)   |
| Heat Distortion Temperature                                       | ASTM D 1044   | °F (°C)             | 293 (145)    |
| Izod Impact Strength<br>Notched 23°C/50% RH                       | ASTM D 256-06 | ft. lb./in. (N.m/m) | 12 (640)     |
| Compression Set, Method A<br>1350 psi for 22 hours at 158 °F/70°C | ASTM D 395    | %                   | 10           |

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