

# DENILUB B 00U 1Si

Polybutylene Terephthalate

Vamp Tech

Message:

PBT unfilled with silicon.

| General Information                                     |                    |                                          |                         |
|---------------------------------------------------------|--------------------|------------------------------------------|-------------------------|
| Additive                                                | Silicone Lubricant |                                          |                         |
| Features                                                | Lubricated         |                                          |                         |
| Physical                                                | Nominal Value      | Unit                                     | Test Method             |
| Specific Gravity                                        | 1.29               | g/cm <sup>3</sup>                        | ASTM D792               |
| Molding Shrinkage                                       |                    |                                          | ASTM D955               |
| Flow                                                    | 1.9                | %                                        |                         |
| Across Flow                                             | 1.9                | %                                        |                         |
| Mechanical                                              | Nominal Value      | Unit                                     | Test Method             |
| Tensile Modulus                                         | 2000               | MPa                                      | ASTM D638               |
| Tensile Strength (Yield)                                | 50.0               | MPa                                      | ASTM D638               |
| Tensile Elongation (Break)                              | > 10               | %                                        | ASTM D638               |
| Coefficient of Friction                                 |                    |                                          | ASTM D1894              |
| Dynamic                                                 | 0.15               |                                          |                         |
| Static                                                  | 0.18               |                                          |                         |
| Wear Factor <sup>1</sup>                                | 50.0               | 10 <sup>-10</sup> m <sup>3</sup> h/N·m·h |                         |
| Impact                                                  | Nominal Value      | Unit                                     | Test Method             |
| Notched Izod Impact Strength                            | 3.5                | kJ/m <sup>2</sup>                        | ISO 180/A               |
| Unnotched Izod Impact Strength                          | 90                 | kJ/m <sup>2</sup>                        | ISO 180                 |
| Thermal                                                 | Nominal Value      | Unit                                     | Test Method             |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 60.0               | °C                                       | ASTM D648A              |
| Vicat Softening Temperature                             | 180                | °C                                       | ASTM D1525 <sup>2</sup> |
| NOTE                                                    |                    |                                          |                         |
| 1.                                                      | Thrust Washer      |                                          |                         |
| 2.                                                      | Loading 2 (50 N)   |                                          |                         |

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