

# Plaslube® ABS 8007

Acrylonitrile Butadiene Styrene

Techmer Engineered Solutions

Message:

Plaslube® ABS 8007 is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in North America. Primary characteristic: high flow.

| General Information                |                   |                   |             |
|------------------------------------|-------------------|-------------------|-------------|
| Features                           | General Purpose   |                   |             |
|                                    | High Flow         |                   |             |
| Appearance                         | Colors Available  |                   |             |
| Forms                              | Pellets           |                   |             |
| Processing Method                  | Injection Molding |                   |             |
| Physical                           | Nominal Value     | Unit              | Test Method |
| Specific Gravity                   | 1.04              | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR)          |                   |                   | ASTM D1238  |
| 220°C/10.0 kg                      | 35                | g/10 min          |             |
| 230°C/3.8 kg                       | 10                | g/10 min          |             |
| Molding Shrinkage - Flow (3.18 mm) | 0.50              | %                 | ASTM D955   |
| Hardness                           | Nominal Value     | Unit              | Test Method |
| Rockwell Hardness (R-Scale)        | 102               |                   | ASTM D785   |
| Mechanical                         | Nominal Value     | Unit              | Test Method |
| Tensile Strength (Yield)           | 33.1              | MPa               | ASTM D638   |
| Tensile Elongation (Yield)         | 2.0               | %                 | ASTM D638   |
| Flexural Modulus                   | 2340              | MPa               | ASTM D790   |
| Flexural Strength                  | 64.8              | MPa               | ASTM D790   |
| Impact                             | Nominal Value     | Unit              | Test Method |
| Notched Izod Impact                |                   |                   | ASTM D256   |
| -30°C, 3.18 mm                     | 80                | J/m               |             |
| -18°C, 3.18 mm                     | 85                | J/m               |             |
| 23°C, 3.18 mm                      | 240               | J/m               |             |
| Thermal                            | Nominal Value     | Unit              | Test Method |
| Deflection Temperature Under Load  |                   |                   | ASTM D648   |
| 0.45 MPa, Unannealed               | 88.9              | °C                |             |
| 1.8 MPa, Unannealed                | 75.0              | °C                |             |

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