

# Plaslube® J-1/30/TF/15 BK223

Polyamide 66

Techmer Engineered Solutions

## Message:

Plaslube® J-1/30/TF/15 BK223 is a Polyamide 66 (Nylon 66) product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

Flame Rated

RoHS Compliant

| General Information                                     |                |                   |             |
|---------------------------------------------------------|----------------|-------------------|-------------|
| UL YellowCard                                           | E253782-484549 |                   |             |
| RoHS Compliance                                         | RoHS Compliant |                   |             |
| Forms                                                   | Pellets        |                   |             |
| Physical                                                | Nominal Value  | Unit              | Test Method |
| Specific Gravity                                        | 1.52           | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow (3.18 mm)                      | 0.20           | %                 | ASTM D955   |
| Water Absorption (24 hr)                                | 0.60           | %                 | ASTM D570   |
| Hardness                                                | Nominal Value  | Unit              | Test Method |
| Rockwell Hardness (R-Scale)                             | 119            |                   | ASTM D785   |
| Mechanical                                              | Nominal Value  | Unit              | Test Method |
| Tensile Strength                                        | 159            | MPa               | ASTM D638   |
| Tensile Elongation (Break)                              | 2.5            | %                 | ASTM D638   |
| Flexural Modulus                                        | 9310           | MPa               | ASTM D790   |
| Flexural Strength                                       | 238            | MPa               | ASTM D790   |
| Impact                                                  | Nominal Value  | Unit              | Test Method |
| Notched Izod Impact                                     | 130            | J/m               | ASTM D256   |
| Thermal                                                 | Nominal Value  | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 254            | °C                | ASTM D648   |
| CLTE - Flow                                             | 4.3E-5         | cm/cm/°C          | ASTM D696   |
| Flammability                                            | Nominal Value  |                   | Test Method |
| Flame Rating (1.59 mm)                                  | HB             |                   | UL 94       |

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