

# LUBEMID A26 NATURAL HS

Polyamide 66

LUBEN PLAST srl

Message:

Compound based on PA66 natural first choice. Lubricated. Heat stabilized.

| General Information                     |                 |                   |                 |
|-----------------------------------------|-----------------|-------------------|-----------------|
| Additive                                | Heat Stabilizer |                   |                 |
|                                         | Lubricant       |                   |                 |
| Features                                | Heat Stabilized |                   |                 |
|                                         | Lubricated      |                   |                 |
| Appearance                              | Natural Color   |                   |                 |
| Physical                                | Nominal Value   | Unit              | Test Method     |
| Density                                 | 1.11 to 1.15    | g/cm <sup>3</sup> | ISO 1183/A      |
| Mechanical                              | Nominal Value   | Unit              | Test Method     |
| Tensile Modulus                         | 2500 to 3000    | MPa               | ISO 527-2/1A/1  |
| Tensile Stress                          |                 |                   | ISO 527-2/1A/50 |
| Yield                                   | 60.0 to 65.0    | MPa               |                 |
| Break                                   | 60.0 to 65.0    | MPa               |                 |
| Tensile Strain                          |                 |                   | ISO 527-2/1A/50 |
| Yield                                   | 5.0 to 8.0      | %                 |                 |
| Break                                   | 5.0 to 8.0      | %                 |                 |
| Flexural Modulus <sup>1</sup>           | 1800 to 2300    | MPa               | ISO 178         |
| Flexural Stress <sup>2</sup>            | 65.0 to 70.0    | MPa               | ISO 178         |
| Impact                                  | Nominal Value   | Unit              | Test Method     |
| Charpy Notched Impact Strength (23°C)   | 2.5 to 4.5      | kJ/m <sup>2</sup> | ISO 179/1eA     |
| Charpy Unnotched Impact Strength (23°C) | 40 to 60        | kJ/m <sup>2</sup> | ISO 179/1eU     |
| Notched Izod Impact                     |                 |                   |                 |
| 23°C, 3.20 mm                           | 30 to 50        | J/m               | ASTM D256A      |
| 23°C <sup>3</sup>                       | 80 to 90        | kJ/m <sup>2</sup> | ASTM D256       |
| 23°C                                    | 2.5 to 4.5      | kJ/m <sup>2</sup> | ISO 180/A       |
| 23°C <sup>4</sup>                       | 3.0 to 5.0      | kJ/m <sup>2</sup> | ASTM D256       |
| Unnotched Izod Impact Strength (23°C)   | 50 to 70        | kJ/m <sup>2</sup> | ISO 180         |
| Thermal                                 | Nominal Value   | Unit              | Test Method     |
| Deflection Temperature Under Load       |                 |                   |                 |
| 0.45 MPa, Unannealed, 3.20 mm           | 215 to 225      | °C                | ASTM D648       |
| 0.45 MPa, Unannealed                    | 220 to 230      | °C                | ISO 75-2/B      |
| 1.8 MPa, Unannealed, 3.20 mm            | 70.0 to 80.0    | °C                | ASTM D648       |

|                                        |               |      |                 |
|----------------------------------------|---------------|------|-----------------|
| Vicat Softening Temperature            |               |      |                 |
| --                                     | 240 to 250    | °C   | ISO 306/A120    |
| --                                     | 230 to 240    | °C   | ISO 306/B120    |
| Melting Temperature                    | 250 to 265    | °C   | Internal Method |
| Flammability                           | Nominal Value | Unit | Test Method     |
| Flame Rating (3.20 mm)                 | V-2           |      | UL 94           |
| Glow Wire Flammability Index (2.00 mm) | 850           | °C   | IEC 60695-2-12  |
| NOTE                                   |               |      |                 |
| 1.                                     | 2.0 mm/min    |      |                 |
| 2.                                     | 2.0 mm/min    |      |                 |
| 3.                                     | Notch E       |      |                 |
| 4.                                     | Notch A       |      |                 |

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