

# LNP™ LUBRILOY™ A3000XXP compound

Acrylonitrile Butadiene Styrene

SABIC Innovative Plastics Europe

## Message:

LNP STAT-LOY A3000XXP is a compound based on ABS resin. Added feature of this material is: Antistatic

Also known as: LNP\* LUBRILOY\* Compound A

Product reorder name: A3000XXP

| General Information                                |                    |                   |                 |
|----------------------------------------------------|--------------------|-------------------|-----------------|
| Additive                                           | Antistatic         |                   |                 |
| Features                                           | Antistatic         |                   |                 |
| RoHS Compliance                                    | RoHS Compliant     |                   |                 |
| Processing Method                                  | Injection Molding  |                   |                 |
| Physical                                           | Nominal Value      | Unit              | Test Method     |
| Density                                            | 1.07               | g/cm <sup>3</sup> | ISO 1183        |
| Molding Shrinkage - Flow                           | 0.40 to 0.70       | %                 | Internal Method |
| Water Absorption (23°C, 24 hr)                     | 2.2                | %                 | ISO 62          |
| Mechanical                                         | Nominal Value      | Unit              | Test Method     |
| Tensile Modulus                                    | 1600               | MPa               | ISO 527-2/1     |
| Tensile Stress (Yield)                             | 32.0               | MPa               | ISO 527-2/5     |
| Tensile Strain (Break)                             | 14                 | %                 | ISO 527-2/5     |
| Flexural Modulus <sup>1</sup>                      | 1800               | MPa               | ISO 178         |
| Flexural Stress                                    | 49.0               | MPa               | ISO 178         |
| Impact                                             | Nominal Value      | Unit              | Test Method     |
| Notched Izod Impact Strength <sup>2</sup> (23°C)   | 20                 | kJ/m <sup>2</sup> | ISO 180/1A      |
| Unnotched Izod Impact Strength <sup>3</sup> (23°C) | No Break           |                   | ISO 180/1U      |
| Thermal                                            | Nominal Value      | Unit              | Test Method     |
| Heat Deflection Temperature <sup>4</sup>           |                    |                   |                 |
| 0.45 MPa, Unannealed, 64.0 mm Span                 | 87.0               | °C                | ISO 75-2/Bf     |
| 1.8 MPa, Unannealed, 64.0 mm Span                  | 74.0               | °C                | ISO 75-2/Af     |
| CLTE                                               |                    |                   | ISO 11359-2     |
| Flow : 23 to 60°C                                  | 1.1E-4             | cm/cm/°C          |                 |
| Transverse : 23 to 60°C                            | 1.4E-4             | cm/cm/°C          |                 |
| Electrical                                         | Nominal Value      | Unit              | Test Method     |
| Surface Resistivity                                | 1.0E+10 to 1.0E+12 | ohms              | ASTM D257       |
| Injection                                          | Nominal Value      | Unit              |                 |
| Drying Temperature                                 | 71.1 to 82.2       | °C                |                 |
| Drying Time                                        | 4.0                | hr                |                 |
| Suggested Max Moisture                             | 0.050 to 0.10      | %                 |                 |
| Rear Temperature                                   | 182 to 193         | °C                |                 |
| Middle Temperature                                 | 193 to 204         | °C                |                 |

|                        |                |     |
|------------------------|----------------|-----|
| Front Temperature      | 204 to 216     | °C  |
| Processing (Melt) Temp | 199 to 210     | °C  |
| Mold Temperature       | 10.0 to 48.9   | °C  |
| Back Pressure          | 0.172 to 0.344 | MPa |
| Screw Speed            | 30 to 60       | rpm |

#### NOTE

- |    |            |
|----|------------|
| 1. | 2.0 mm/min |
| 2. | 80*10*4    |
| 3. | 80*10*4    |
| 4. | 80*10*4 mm |

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#### Recommended distributors for this material

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