

# LUBLENE GK30 NATURAL

Polypropylene

LUBEN PLAST srl

## Message:

Compound based on PP first choice natural colour. With glass beads 30%.

| General Information                     |                                 |                   |                 |
|-----------------------------------------|---------------------------------|-------------------|-----------------|
| Filler / Reinforcement                  | Glass Bead,30% Filler by Weight |                   |                 |
| Appearance                              | Natural Color                   |                   |                 |
| Physical                                | Nominal Value                   | Unit              | Test Method     |
| Density                                 | 1.10 to 1.14                    | g/cm <sup>3</sup> | ISO 1183/A      |
| Mechanical                              | Nominal Value                   | Unit              | Test Method     |
| Tensile Modulus                         | 2000 to 3000                    | MPa               | ISO 527-2/1A/1  |
| Tensile Stress                          |                                 |                   |                 |
| Yield                                   | 23.0 to 27.0                    | MPa               | ISO 527-2/1A/5  |
| Break                                   | 18.0 to 22.0                    | MPa               |                 |
| Tensile Strain                          |                                 |                   | ISO 527-2/1A/5  |
| Yield                                   | 4.0 to 5.0                      | %                 |                 |
| Break                                   | 25 to 30                        | %                 |                 |
| Flexural Modulus <sup>1</sup>           | 1500 to 2500                    | MPa               | ISO 178         |
| Flexural Stress <sup>2</sup>            | 30.0 to 40.0                    | MPa               | ISO 178         |
| Impact                                  | Nominal Value                   | Unit              | Test Method     |
| Charpy Notched Impact Strength (23°C)   | 3.0 to 4.0                      | kJ/m <sup>2</sup> | ISO 179/1eA     |
| Charpy Unnotched Impact Strength (23°C) | 20 to 30                        | kJ/m <sup>2</sup> | ISO 179/1eU     |
| Notched Izod Impact                     |                                 |                   |                 |
| 23°C, 3.20 mm                           | 25 to 35                        | J/m               | ASTM D256A      |
| 23°C <sup>3</sup>                       | 20 to 30                        | kJ/m <sup>2</sup> | ASTM D256       |
| 23°C                                    | 3.0 to 4.0                      | kJ/m <sup>2</sup> | ISO 180/A       |
| 23°C <sup>4</sup>                       | 2.5 to 3.5                      | kJ/m <sup>2</sup> | ASTM D256       |
| Unnotched Izod Impact Strength (23°C)   | 20 to 30                        | kJ/m <sup>2</sup> | ISO 180         |
| Thermal                                 | Nominal Value                   | Unit              | Test Method     |
| Deflection Temperature Under Load       |                                 |                   |                 |
| 0.45 MPa, Unannealed, 3.20 mm           | 120 to 130                      | °C                | ASTM D648       |
| 0.45 MPa, Unannealed                    | 125 to 135                      | °C                | ISO 75-2/B      |
| 1.8 MPa, Unannealed, 3.20 mm            | 60.0 to 70.0                    | °C                | ASTM D648       |
| Vicat Softening Temperature             |                                 |                   |                 |
| --                                      | 100 to 110                      | °C                | ISO 306/A120    |
| --                                      | 95.0 to 105                     | °C                | ISO 306/B120    |
| Melting Temperature                     | 165 to 170                      | °C                | Internal Method |
| NOTE                                    |                                 |                   |                 |

|    |            |
|----|------------|
| 1. | 2.0 mm/min |
| 2. | 2.0 mm/min |
| 3. | Notch E    |
| 4. | Notch A    |

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