

# Rilsan® BECNO TL

Polyamide 11

Arkema

Message:

Rilsan ® BECNO TL is a polyamide 11 produced from a renewable source. This natural grade is designed for cable coating.

MAIN APPLICATIONS

Wire and cable sheathing.

| General Information              |                            |          |             |
|----------------------------------|----------------------------|----------|-------------|
| Features                         | Renewable Resource Content |          |             |
| Uses                             | Wire & Cable Applications  |          |             |
| Appearance                       | Natural Color              |          |             |
| Processing Method                | Extrusion                  |          |             |
| Physical                         | Nominal Value              | Unit     | Test Method |
| Density                          | 1.03                       | g/cm³    | ISO 1183    |
| Hardness                         | Nominal Value              | Unit     | Test Method |
| Shore Hardness                   |                            |          | ISO 868     |
| Shore D                          | 76                         |          |             |
| Shore D, 15 sec                  | 70                         |          |             |
| Mechanical                       | Nominal Value              | Unit     | Test Method |
| Tensile Modulus                  | 1330                       | MPa      | ISO 527-2   |
| Tensile Stress                   |                            |          | ISO 527-2   |
| Yield                            | 42.0                       | MPa      |             |
| Break                            | 59.0                       | MPa      |             |
| Tensile Strain                   |                            |          | ISO 527-2   |
| Yield                            | 5.0                        | %        |             |
| Break                            | > 200                      | %        |             |
| Flexural Modulus                 | 1130                       | MPa      | ISO 178     |
| Impact                           | Nominal Value              | Unit     | Test Method |
| Charpy Notched Impact Strength   |                            |          | ISO 179     |
| -30°C                            | 10                         | kJ/m²    |             |
| 23°C                             | 9.0                        | kJ/m²    |             |
| Charpy Unnotched Impact Strength |                            |          | ISO 179     |
| -30°C                            | No Break                   |          |             |
| 23°C                             | No Break                   |          |             |
| Thermal                          | Nominal Value              | Unit     | Test Method |
| Melting Temperature              | 189                        | °C       | ISO 11357-3 |
| Additional Information           | Nominal Value              | Unit     | Test Method |
| ISO Shortname                    | PA11, KHL, 12-010          | ISO 1874 |             |
| Renewable Carbon Conent          | > 98                       | %        | ASTM D6866  |
| Extrusion                        | Nominal Value              | Unit     |             |

|                    |              |    |
|--------------------|--------------|----|
| Drying Temperature | 80.0 to 90.0 | °C |
| Drying Time        | 4.0 to 6.0   | hr |
| Melt Temperature   | 240 to 260   | °C |

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