

RILSAMID® AECHVO TL

PA12, KHL, 18-010

Rilsamid® AECHVO TL resin is a natural polyamide 12. This grade is designed for cable coating but is also suitable for extrusion.

Main applications:

- Wire Sheathing

Packaging:

This grade is delivered dried in sealed packaging (800 kg rigid containers) ready to be processed.

Shelf life:

Two years from date of delivery. For any used above this limit, please refer to our technical services.

MAIN CHARACTERISTICS

| PROPERTIES | DRY / COND | UNIT | TEST STANDARD |
|---------------------------------------|-------------|------------------------|----------------|
| Melt Volume-Flow Rate, MVR | 45 / * | cm ³ /10min | ISO 1133 |
| Temperature | 235 / * | °C | - |
| Load | 5 / * | kg | - |
| Tensile Modulus | - / 1200 | MPa | ISO 527-1/-2 |
| Yield stress | - / 38 | MPa | ISO 527-1/-2 |
| Yield strain | - / 6 | % | ISO 527-1/-2 |
| Nominal strain at break | - / >50 | % | ISO 527-1/-2 |
| Shore D hardness, 15s | 73 / * | - | ISO 7619-1 |
| Charpy Impact Strength, +23°C | - / N | kJ/m ² | ISO 179/1eU |
| Charpy Impact Strength, -30°C | - / N | kJ/m ² | ISO 179/1eU |
| Charpy Notched Impact Strength, +23°C | - / 7 | kJ/m ² | ISO 179/1eA |
| Charpy Notched Impact Strength, -30°C | - / 6 | kJ/m ² | ISO 179/1eA |
| Melting temperature, 10°C/min | 178 / * | °C | ISO 11357-1/-3 |
| Density | 1010 / 1010 | kg/m ³ | ISO 1183 |
| Injection Molding, melt temperature | 260 | °C | ISO 294 |
| Injection Molding, mold temperature | 50 | °C | ISO 10724 |
| Injection Molding, pressure at hold | 16 | MPa | ISO 294 |

Processing conditions:

Typical melt temperature: (Min / Recommended / Max): 240°C / 250°C / 260°C

-Drying time and temperature (only necessary if containers opened for more than two hours): 4 - 6 hours at 80°C

Processing

Film Extrusion, Sheet Extrusion, Other Extrusion, Coating

Delivery form

Pellets

Special Characteristics

Light stabilized or stable to light, U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Regional Availability

North America, Europe, Asia Pacific, South and Central

Please consult Arkema's disclaimer regarding the use of Arkema's products on <https://www.arkema.com/en/products/product-safety/disclaimer/index.html>

Rilsamid® is a registered trademark of Arkema
© 2019 Arkema Inc. All rights reserved.

rilsamid.com

RILSAMID®
BY ARKEMA

Arkema Inc. – Technical Polymers

900 First Avenue
King of Prussia, PA 19406
Tel.: +1 610 205 7000
Fax: +1 610 205 7497
arkema-america.com

Headquarters: Arkema France

420, rue d'Estienne d'Orves
92705 Colombes Cedex – France
Tel.: +33 1 49 00 80 80
Fax: +33 1 49 00 83 96
arkema.com