

**Product Texts**

ISO 16396 - PA12, KHL, C18-010

**Rilsamid® AECHVO 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.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	45 / *	cm <sup>3</sup> /10min	ISO 1133
Temperature	235 / *	°C	-
Load	5 / *	kg	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	- / 1200	MPa	ISO 527
<sup>[C]</sup> Yield stress	- / 38	MPa	ISO 527
<sup>[C]</sup> Yield strain	- / 6	%	ISO 527
<sup>[C]</sup> Nominal strain at break	- / >50	%	ISO 527
<sup>[C]</sup> Charpy notched impact strength, +23°C	- / 7	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Charpy notched impact strength, -30°C	- / 6	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Shore D hardness	73 / *	-	ISO 7619-1

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	178 / *	°C	ISO 11357-1/-3

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
<sup>[C]</sup> Density	1010 / 1010	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics****Processing**

Film Extrusion, Sheet Extrusion, Other Extrusion, Coating

**Delivery form**

Pellets, Natural Color

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

**Other text information****Other extrusion****Processing conditions:**

Extrusion temperature

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

- Drying time and temperature (only necessary for containers opened for more than two hours) : 4-8 hours at 80°C.