

RILSAMID® AECHVO

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 CHARACTERISTICS

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	45 / *	cm ³ /10min	ISO 1133
Temperature	235 / *	°C	-
Load	5 / *	kg	-
MECHANICAL PROPERTIES			
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	- / No Break	kJ/m ²	ISO 179/1eU
Charpy Impact Strength, -30°C	- / No Break	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
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	178 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1010 / 1010	kg/m ³	ISO 1183

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.

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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.

PROCESSING

Film Extrusion, Sheet Extrusion, Other Extrusion, Coating

DELIVERY FORM

Pellets

REGIONAL AVAILABILITY

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

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