

Product Texts

ISO 16396 - PA12, KGHL, C14-010

Rilsamid® AECN BLACK 03 TL is a black colored polyamide 12.
This black grade is designed for cable coating.

Main applications:

- Wire Sheathing

Packaging :

This grade is delivered dried in sealed packaging (25 kg bags) ready to be processed

Shelf life :

Two years from the delivery.

For any use above this limit please refer to our technical services.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	9 / *	cm ³ /10min	ISO 1133
Temperature	210 / *	°C	-
Load	1.2 / *	kg	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Yield stress	- / 39	MPa	ISO 527
^[C] Yield strain	- / 8	%	ISO 527
^[C] Nominal strain at break	- / >50	%	ISO 527
^[C] Charpy notched impact strength, +23°C	- / 11	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	- / 7	kJ/m ²	ISO 179/1eA
^[C] Shore D hardness	67 / *	-	ISO 7619-1

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	180 / *	°C	ISO 11357-1/-3

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Density	1010 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Other Extrusion, Coating

Delivery form

Pellets, Black

Special Characteristics

Light stabilized or stable to light, Heat stabilized or stable to heat

Regional Availability

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

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

- Typical Melt temperature (Min / Recommended / Max) : 240°C / 250°C / 260°C
- Drying time and temperature (only necessary for bags opened for more than two hours) : 4 - 8 hours at 80°C