

RILSAMID® AECN BLACK 03 TL

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 CHARACTERISTICS

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	9 / *	cm ³ /10min	ISO 1133
Temperature	210 / *	°C	-
Load	1.2 / *	kg	-
MECHANICAL PROPERTIES			
Yield stress	- / 39	MPa	ISO 527-1/-2
Yield strain	- / 8	%	ISO 527-1/-2
Nominal Strain at Break	- / > 50	%	ISO 527-1/-2
Stress at Break	- / 57	MPa	ISO 527-1/-2
Strain at Break	- / > 50	%	ISO 527-1/-2
Shore D Hardness, 15s	67 / *	-	ISO 7619-1
Charpy Impact Strength, +23°C	No Break / No Break	kJ/m ²	ISO 179/1eU
Charpy Impact Strength, -30°C	No Break / No Break	kJ/m ²	ISO 179/1eU
Charpy Notched Impact Strength, +23°C	- / 11	kJ/m ²	ISO 179/1eA
Charpy Notched Impact Strength, -30°C	- / 7	kJ/m ²	ISO 179/1eA
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	180 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1010 / -	kg/m ³	ISO 1183

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 conditions, Extrusion conditions:

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

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- 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

PROCESSING

Other Extrusion

DELIVERY FORM

Pellets

SPECIAL CHARACTERISTICS

Heat Stabilized, Light Stabilized

REGIONAL AVAILABILITY

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

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