

TECHNICAL DATA SHEET

RILSAMID® AECV BLACK P40 T8L

POLYAMIDE 12 PELLET

RILSAMID® AECV BLACK P40 T8L resin is a black colored polyamide 12 compound. This plasticized grade is designed for cable coating.

Designation : ISO 16396 - PA12-P, KG1HL, C14-004

DESIGNATION

PA12-P

MAIN APPLICATIONS

- LT Performance Wire - Growth
- Cables Antitermites
- Cable

DELIVERY FORM

- Pellets

TRANSFORMATION PROCESSES

- Extrusion - General

ADDITIVES

- Heat Stabilized
- Light Stabilized

RHEOLOGICAL PROPERTIES

プロパティ	価値	テスト基準
Melt volume flow rate (MVR), 235°C / 2.16 kg (455°F / 4.4 lb)	23 cm ³ /10min	ISO 1133

MECHANICAL PROPERTIES

プロパティ	DRY / COND VALUE*	テスト基準
Charpy unnotched impact strength, 23°C (73°F)	- / No Break	ISO 179 1eU
Charpy unnotched impact strength, -30°C (-22°F)	- / No Break	ISO 179 1eU
Nominal strain at break, 23°C (73°F), 50 mm/min	- / > 50 %	ISO 527-1/-2
Yield strain, 23°C (73°F), 50 mm/min	- / 27 %	ISO 527-1/-2
Yield stress, 23°C (73°F), 50 mm/min	- / 26 MPa	ISO 527-1/-2
Tensile modulus, 23°C (73°F), 1 mm/min	- / 420 MPa	ISO 527-1/-2
Charpy notched impact strength, 23°C (73°F)	- / 7 kJ/m ²	ISO 179 1eA
Charpy notched impact strength, -30°C (-22°F)	- / 5 kJ/m ²	ISO 179 1eA
Flexural modulus, 23°C (73°F)	- / 420 MPa	ISO 178

*DRY: Dry As Molded (DAM) if pellet / Dry if powder.
COND: Conditionned.

THERMAL PROPERTIES

プロパティ	価値	テスト基準
Melting temperature, 10°C/min	172 °C	ISO 11357-1/-3

RILSAMID® AECV BLACK P40 T8L

OTHER PROPERTIES

プロパティ	価値	テスト基準
Specific gravity, 23°C (73°F)	1.01 g/cm ³	ISO 1183-1

包装

This grade is delivered dried in sealed packaging ready to be processed. Available packaging:

- 25 kg / 55 lb bags

賞味期限

Two years from the date of delivery, when stored properly (sealed bags, appropriate moisture, UV protection and temperature). For any use above this limit, please refer to our technical services.

PROCESSING CONDITIONS:

- 典型的な熔融温度 (最小 / 推奨 / 最大) - 射出成形: 230°C / 250°C / 270°C (445°F / 480°F / 520°F)
- 典型的な金型温度 - 射出成形: 20-60°C (70-140°F)
- Drying time and temperature: 80-90°C (175-195°F) / 4-6 hours

Headquarter: Arkema France
420, rue d'Estienne d'Orves
92705 Colombes Cedex – France
T +33 (0)1 49 00 80 80

Disclaimer - Please consult Arkema's disclaimer regarding the use of Arkema's products on <https://www.arkema.com/global/en/products/product-safety/disclaimer/> which is incorporated herein by reference and made a part hereof.
Arkema France, a French société anonyme registered at the Trade and Companies Register of Nanterre under the number 319 632 790

[arkema.com](https://www.arkema.com)

ARKEMA