

Product Texts

ISO 16396 - PA12-P, KGHL, C14-004

Rilsamid® AECV BLACK P40 T8L resin is a black colored polyamide 12.

This black grade is plasticized and designed for cable coating.

Main applications:

- Wire and cable sheathing

Packaging:

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

Shelf life:

Two years from the date of 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	23 / *	cm ³ /10min	ISO 1133
Temperature	235 / *	°C	-
Load	2.16 / *	kg	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	- / 420	MPa	ISO 527
^[C] Yield stress	- / 26	MPa	ISO 527
^[C] Yield strain	- / 27	%	ISO 527
^[C] Nominal strain at break	- / >50	%	ISO 527
^[C] Charpy notched impact strength, +23°C	- / 7	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	- / 5	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	172 / *	°C	ISO 11357-1/-3

[C]: CAMPUS

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

[C]: CAMPUS

Characteristics**Processing**

Sheet Extrusion, Other Extrusion, Coating

Delivery form

Pellets, Black

Additives

Lubricants, Plasticizer

Special Characteristics

Light stabilized or stable to light, U.V. stabilized or stable to weather, 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, Extrusion :

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