

Product Texts

ISO 16396 - PA12-HI, EGHL, C24-010

Rilsamid® AESN BLACK P110 TL resin is a semi-rigid polyamide with improved hydrolysis and impact resistance. This black colored grade is designed for tube extrusion.

Main applications:

- Fuel line
- Tubing for use in motor vehicles

Packaging:

This material is delivered in sealed packaging (800 kg rigid containers) ready to be processed.

Shelf life:

Two years from 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	0.4 / *	cm ³ /10min	ISO 1133
Temperature	275 / *	°C	-
Load	5 / *	kg	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	- / 1120	MPa	ISO 527
^[C] Yield stress	- / 32	MPa	ISO 527
^[C] Yield strain	- / 13	%	ISO 527
^[C] Nominal strain at break	- / >50	%	ISO 527
^[C] Charpy notched impact strength, +23°C	- / 75	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	- / 18	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	176 / *	°C	ISO 11357-1/-3

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Density	1000 / 1000	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Profile Extrusion, Other Extrusion, Blow Molding

Delivery form

Pellets, Black

Additives

Lubricants

Special Characteristics

High impact or impact modified, 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 for extrusion :

- Typical melt temperature (Min / Recommended / Max) : 260°C / 270°C / 280°C.
- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-6 hours at 80°C.