

Product Texts

ISO 16396 - PA12-HIP, EGHL, C22-004

Rilsamid® AESN BLACK P302 TL resin is a black colored polyamide 12.

This grade is plasticized and designed for tube extrusion.

Rilsamid® AESN BLACK P302 TL resin falls into the PA12-HIPHL category according to DIN 73378.

Main applications:

Air brake.

Tubing for use in motor vehicles

Packaging:

This grade is delivered dried in sealed packaging (25 kg bags / 550 kg rigid containers) 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	18 / *	cm ³ /10min	ISO 1133
Temperature	235 / *	°C	-
Load	5 / *	kg	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	- / 400	MPa	ISO 527
^[C] Yield stress	- / 25	MPa	ISO 527
^[C] Yield strain	- / 26	%	ISO 527
^[C] Nominal strain at break	- / >50	%	ISO 527
^[C] Charpy notched impact strength, -30°C	- / 6	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	1030 / 1030	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Profile Extrusion, Other Extrusion

Special Characteristics

High impact or impact modified, Light stabilized or stable to light, U.V. stabilized or stable to weather, Heat stabilized or

Delivery form

Pellets, Black

stable to heat

Additives

Lubricants, Plasticizer

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) : 200°C / 220°C / 240°C.
- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-6 hours at 80°C.