

RILSAMID®

AESN BLACK P110 TL

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.

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	0.4 / *	cm ³ /10min	ISO 1133
Temperature	275 / *	°C	-
	527 / *	°F	-
Load	5 / *	kg	-
	11 / *	lb	-
MECHANICAL PROPERTIES			
Tensile Modulus	- / 1120	MPa	ISO 527-1/-2
	- /	psi	
Yield stress	162000	MPa	ISO 527-1/-2
	- / 32	psi	
	- / 4640	psi	
Yield strain	- / 13	%	ISO 527-1/-2
Nominal Strain at Break	- / >50	%	ISO 527-1/-2
Charpy Impact Strength, +23°C	- / No Break	kJ/m ²	ISO 179/1eU
Charpy Impact Strength, -30°C	- / No Break	kJ/m ²	ISO 179/1eU
Charpy Notched Impact Strength, +23°C	- / 75	kJ/m ²	ISO 179/1eA
	- / 35.7	ftlb/in ²	
Charpy Notched Impact Strength, -30°C	- / 18	kJ/m ²	ISO 179/1eA
	- / 8.56	ftlb/in ²	
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	176 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1000 / 1000	kg/m ³	ISO 1183
	1 / 1	g/cm ³	

MAIN APPLICATIONS:

- Fuel line
- Tubing for use in motor vehicles

PACAKAGING:

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

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SHELF LIFE:

Two years from date of delivery. For any use above this limit, please refer to our technical services.

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.

PROCESSING	
Profile Extrusion, Other Extrusion, Blow Molding	
DELIVERY FORM	
Pellets	
ADDITIVES	
Lubricants	
SPECIAL CHARACTERISTICS	
Heat Stabilized, Light Stabilized	
REGIONAL AVAILABILITY	
North America, Europe, Asia Pacific, South and Central America, Near East/Africa	