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 / *	cm³/10 min	ISO 1133
Temperature	275 / *	°C	-
	527 / *	°F	
Load	5 / *	kg	-
	11 / *	lb	
MECHANICAL PROPERTIES			
Tensile Modulus	- / 1120	MPa	ISO 527-1/-2
	- / 162000	psi	
Yield Stress	- / 32	MPa	ISO 527-1/-2
	- / 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/m²	ISO 179/1eU
Charpy Impact Strength, -30°C	- / No Break	kJ/m²	ISO 179/1eU
Charpy Notched Impact Strength, +23°C	- / 75	kJ/m²	ISO 179/1eA
	- / 35.7	ftlb/in²	
Charpy Notched Impact Strength, -30°C	- / 18	kJ/m²	ISO 179/1eA
	- / 8.56	ftlb/in²	
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	176 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1000 / 1000	kg/m³	ISO 1183
	1 / 1	g/cm³	

MAIN APPLICATIONS:

- Fuel line
- Tubing for use in motor vehicules

PACAKAGING:

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

SHELF LIFE:

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Source: automatically generated TDS from Material Database on 20-02-2024

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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

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