

RILSAMID® AESN BLACK T6L

ISO 16396 - PA12, EGHL, C22-010

Rilsamid® AESN BLACK T6L resin is a rigid polyamide.
This black colored grade is designed for tube extrusion.

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	8 / *	cm ³ /10 min	ISO 1133
Temperature	235 / *	°C	-
	455 / *	°F	
Load	5 / *	kg	-
	11 / *	lb	
MECHANICAL PROPERTIES			
Tensile Modulus	- / 1350	MPa	ISO 527-1/-2
	- / 196000	psi	
Yield Stress	- / 44	MPa	ISO 527-1/-2
	- / 6380	psi	
Yield Strain	- / 5	%	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	- / 12	kJ/m ²	ISO 179/1eA
	- / 5.71	ftlb/in ²	
Charpy Notched Impact Strength, -30°C	- / 8	kJ/m ²	ISO 179/1eA
	- / 3.81	ftlb/in ²	
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	180 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1010 / 1010	kg/m ³	ISO 1183
	1.01 / 1.01	g/cm ³	

Processing conditions, Extrusion:

- Typical Melt temperature (Min / Recommended / Max) : 230°C / 240°C / 270°C
- Drying time and temperature (only necessary for bags opened for more than two hours) : 4 - 6 hours at 80°C

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