

RILSAMID® AESN BLACK P202 CTL

ISO 16396 - PA12, EGHLZ, C22-005

Rilsamid® AESN BLACK P202 CTL resin is a plasticized conductive grade designed for tube extrusion.

Rilsamid® AESN BLACK P202 CTL resin is specially designed for conductive multi-layers fuel line applications.

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	1.2 / *	cm ³ /10 min	ISO 1133
Temperature	235 / *	°C	-
	455 / *	°F	
Load	5 / *	kg	-
	11 / *	lb	
MECHANICAL PROPERTIES			
Tensile Modulus	- / 585	MPa	ISO 527-1/-2
	- / 84800	psi	
Yield Stress	- / 35	MPa	ISO 527-1/-2
	- / 5080	psi	
Yield Strain	- / 26	%	ISO 527-1/-2
Nominal Strain at Break	- / >50	%	ISO 527-1/-2
Shore D Hardness, after 15 s	65 / *	-	ISO 868
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	- / 82	kJ/m ²	ISO 179/1eA
	- / 39	ftlb/in ²	
Charpy Notched Impact Strength, -30°C	- / 4	kJ/m ²	ISO 179/1eA
	- / 1.9	ftlb/in ²	
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	174 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1140 / -	kg/m ³	ISO 1183
	1.14 / -	g/cm ³	

MAIN APPLICATIONS:

Conductive layer for fuel line applications.

PACKAGING:

This grade is delivered dried in sealed packaging (20 kg bags) ready to be processed.

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SHELF LIFE:

Two years from the 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) : 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.

PROCESSING Profile Extrusion, Other Extrusion	Headquarters: Arkema France 420 rue d'Estienne d'Orves 92705 Colombes Cedex France T +33 (0)1 49 00 80 80 hpp.arkema.com
DELIVERY FORM Pellets	Arkema Inc. – High Performance Polymers 900 First Avenue King of Prussia, PA 19406 Tel.: +1 610 205 7000 hpp.arkema.com
ADDITIVES Plasticizer	
SPECIAL CHARACTERISTICS Conductive, Heat Stabilized, Light Stabilized	
REGIONAL AVAILABILITY North America, Europe, Asia Pacific, South and Central America, Near East/Africa	

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