

RILSAMID®

AECV BLACK P40 T8L

ISO 16396 - PA12-P, KGHL, C14-004

Rilsamid® AECV BLACK P40 T8L resin is a black colored polyamide 12.
This black grade is plasticized and designed for cable coating.

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	23 / *	cm³/10min	ISO 1133
Temperature	235 / *	°C	-
	455 / *	°F	
Load	2.16 / *	kg	-
	4.76 / *	lb	
MECHANICAL PROPERTIES			
Tensile Modulus	- / 420	MPa	ISO 527-1/-2
	- / 60900	psi	
Yield stress	- / 26	MPa	ISO 527-1/-2
	- / 3770	psi	
Yield strain	- / 27	%	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	- / 7	kJ/m²	ISO 179/1eA
	- / 3.33	ftlb/in²	
Charpy Notched Impact Strength, -30°C	- / 5	kJ/m²	ISO 179/1eA
	- / 2.38	ftlb/in²	
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	172 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1010 / 1010	kg/m³	ISO 1183
	1.01 / 1.01	g/cm³	

MAIN APPLICATIONS:

- Wire and cable sheathing

PACKAGING:

This grade is delivered dried in sealed packaging (25 kg bags) ready to be processed.

RILSAMID[®]

AECV BLACK P40 T8L

SHELF LIFE:

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

Processing conditions, Extrusion :

- Typical melt temperature (Min / recommended / Max): 240°C / 250°C / 260°C
- Drying time and temperature (only necessary for bags opened more than two hours): 4 - 8 hours at 80°C

PROCESSING

Sheet Extrusion, Other Extrusion, Coating

DELIVERY FORM

Pellets

ADDITIVES

Lubricants, Plasticizer

SPECIAL CHARACTERISTICS

Heat Stabilized, Light Stabilized

REGIONAL AVAILABILITY

North America, Europe, Asia Pacific, South and Central
America, Near East/Africa