

RILSAMID®

AESN BLACK P202 T6L

ISO 16396 - PA12-HIP, EGHL, C22-004

Rilsamid® AESN BLACK P202 T6L resin is a black coloured grade designed for tube extrusion.
Rilsamid® AESN BLACK P202 T6L resin falls into the PA12-PHLY category according to DIN 73378.

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	14 / *	cm³/10min	ISO 1133
Temperature	235 / *	°C	-
	455 / *	°F	
Load	5 / *	kg	-
	11 / *	lb	
MECHANICAL PROPERTIES			
Tensile Modulus	- / 440	MPa	ISO 527-1/-2
	- / 63800	psi	
Yield stress	- / 28	MPa	ISO 527-1/-2
	- / 4060	psi	
Yield strain	- / 25	%	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 / No Break	kJ/m²	ISO 179/1eU
Charpy Notched Impact Strength, +23°C	- / No Break	kJ/m²	ISO 179/1eA
Charpy Notched Impact Strength, -30°C	- / 4	kJ/m²	ISO 179/1eA
	- / 1.9	ftlb/in²	
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	173 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1030 / 1030	kg/m³	ISO 1183
	1.03 / 1.03	g/cm³	

MAIN APPLICATIONS:

Air brake.
Tubing for use in motor vehicles

PACKAGING:

This grade is delivered dried in sealed packaging (25 kg bags / 550 kg rigid containers) ready to be processed.

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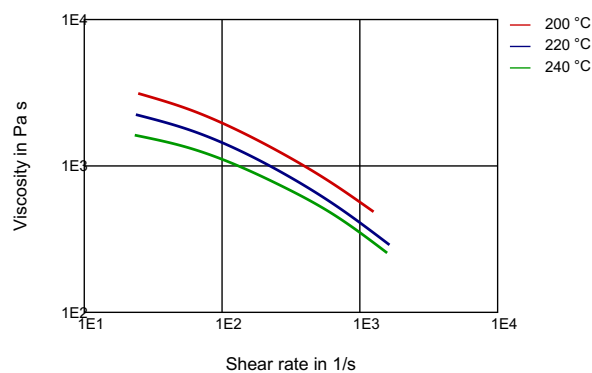
AESN BLACK P202 T6L

SHELF LIFE:

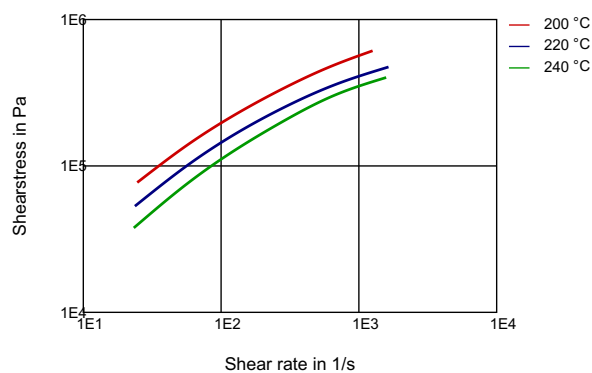
Two years from the date of delivery. for any use above this limit, please refer to our technical services.

DIAGRAMS

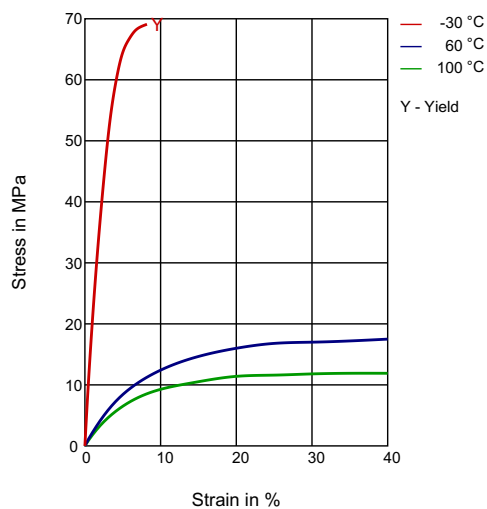
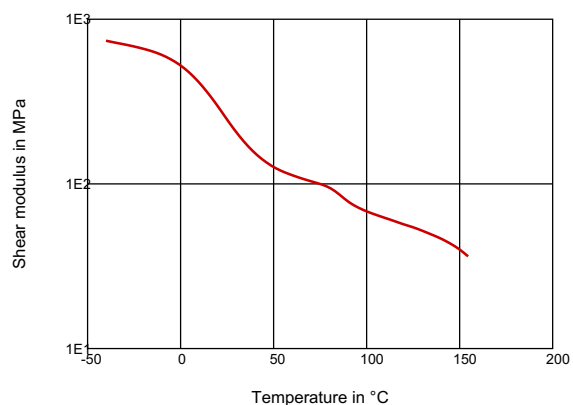
VISCOSITY-SHEAR RATE



SHEARSTRESS-SHEAR RATE



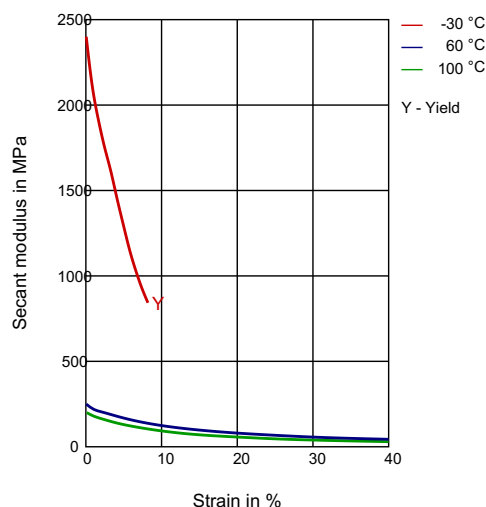
DYNAMIC SHEAR MODULUS-TEMPERATURE STRESS-STRAIN



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SECANT MODULUS-STRAIN



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

Injection Molding, Profile Extrusion, Other Extrusion

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