

## TECHNICAL DATA SHEET

# RILSAMID® AESN BLACK P202 T6L

## POLYAMIDE 12 PELLET

RILSAMID® AESN BLACK P202 T6L is a polyamide 12 compound. This plasticized and impact-modified high temperature grade is specially designed for automotive fluid transfer line applications.

Designation : ISO 16396 - PA12-IP, EG1HL, C22-004

### DESIGNATION

PA12-IP

### MAIN APPLICATIONS

- Auto - Diesel Lines

### DELIVERY FORM

- Pellets

### TRANSFORMATION PROCESSES

- Extrusion - General
- Tube Extrusion

### ADDITIVES

- Heat Stabilized
- Light Stabilized
- Plasticizer

## RHEOLOGICAL PROPERTIES

プロパティ	価値	テスト基準
Melt volume flow rate (MVR), 235°C / 5 kg (455°F / 11 lb)	14 cm <sup>3</sup> /10min	ISO 1133

## MECHANICAL PROPERTIES

プロパティ	DRY / COND VALUE*	テスト基準
Tensile modulus, 23°C (73°F), 1 mm/min	440 / 440 MPa	ISO 527-1/-2
Yield stress, 23°C (73°F), 50 mm/min	- / 28 MPa	ISO 527-1/-2
Yield strain, 23°C (73°F), 50 mm/min	- / 25 %	ISO 527-1/-2
Nominal strain at break, 23°C (73°F), 50 mm/min	- / > 50 %	ISO 527-1/-2
Flexural modulus, 23°C (73°F)	- / 391 MPa	ISO 178
Charpy unnotched impact strength, 23°C (73°F)	- / No Break	ISO 179 1eU
Charpy unnotched impact strength, -30°C (-22°F)	No Break / No Break	ISO 179 1eU
Charpy notched impact strength, 23°C (73°F)	No Break / No Break	ISO 179 1eA
Charpy notched impact strength, -30°C (-22°F)	- / 4 kJ/m <sup>2</sup>	ISO 179 1eA

\*DRY: Dry As Molded (DAM) if pellet / Dry if powder.  
COND: Conditionned.

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## THERMAL PROPERTIES

プロパティ	価値	テスト基準
Melting temperature, 10°C/min	173 °C	ISO 11357-1/-3

## OTHER PROPERTIES

プロパティ	価値	テスト基準
Specific gravity, 23°C (73°F)	1.03 g/cm <sup>3</sup>	ISO 1183-1

## 包装

This grade is delivered dried in sealed packaging ready to be processed. Available packaging:

- 25 kg / 55 lb bags
- 550 kg rigid containers

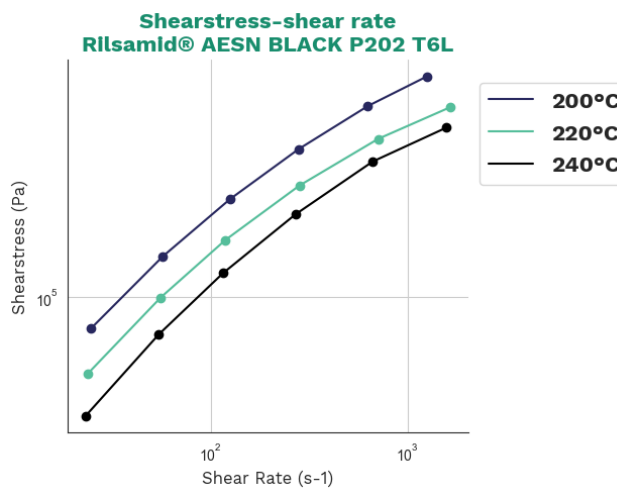
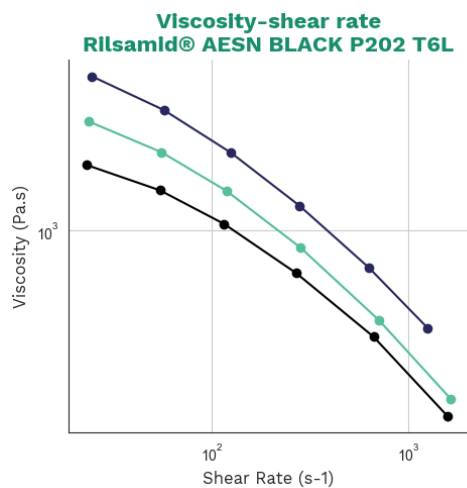
## 賞味期限

Two years from the date of delivery, when stored properly (sealed bags, appropriate moisture, UV protection and temperature). For any use above this limit, please refer to our technical services.

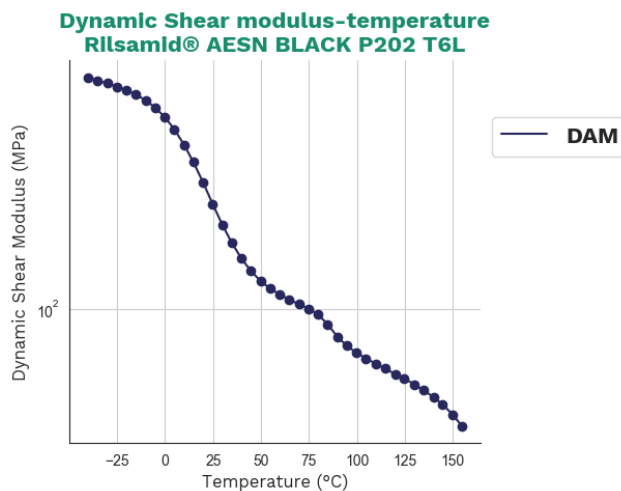
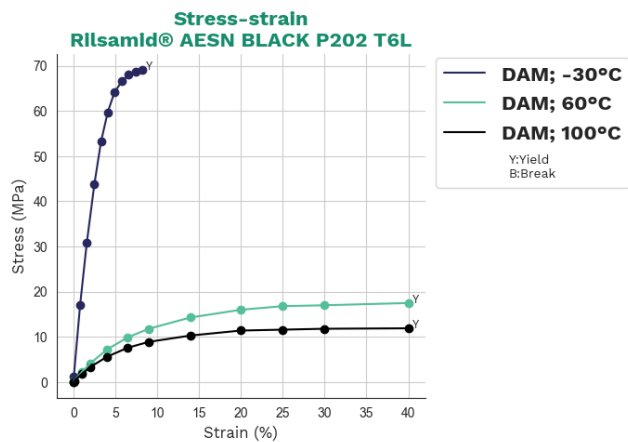
## PROCESSING CONDITIONS:

- 典型的な熔融温度 (最小 / 推奨 / 最大) - 射出成形: 230°C / 250°C / 270°C (445°F / 480°F / 520°F)
- 典型的な金型温度 - 射出成形: 20-60°C (70-140°F)
- Drying time and temperature: 80-90°C (175-195°F) / 4-6 hours

## DIAGRAMS



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