

# RILSAMID® AMN BLACK T6LD

PA12, MHLR, 12-010

Rilsamid® AMN BLACK T6LD resin is a black colored polyamide 12. This grade is designed for injection molding.

## MAIN CHARACTERISTICS

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
<b>RHEOLOGICAL PROPERTIES</b>			
Melt Volume-Flow Rate	57 / *	cm <sup>3</sup> /10min	ISO 1133
Temperature	235 / *	°C	-
Load	2.16 / *	kg	-
Molding Shrinkage, parallel	0.8 / *	%	ISO 294-4, 2577
Molding Shrinkage, normal	0.8 / *	%	ISO 294-4, 2577
<b>MECHANICAL PROPERTIES</b>			
Tensile Modulus	- / 1440	MPa	ISO 527-1/-2
Yield stress	- / 46	MPa	ISO 527-1/-2
Yield strain	- / 6	%	ISO 527-1/-2
Nominal Strain at Break	- / >50	%	ISO 527-1/-2
Shore D Hardness, 15s	69 / *	-	ISO 7619-1
Charpy Impact Strength, +23°C	- / No Break	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy Impact Strength, -30°C	- / No Break	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy Notched Impact Strength, +23°C	- / 4	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Notched Impact Strength, -30°C	- / 5	kJ/m <sup>2</sup>	ISO 179/1eA
<b>THERMAL PROPERTIES</b>			
Melting Temperature, 10°C/min	178 / *	°C	ISO 11357-1/-3
<b>OTHER PROPERTIES</b>			
Density	1020 / -	kg/m <sup>3</sup>	ISO 1183
<b>POWDER PROPERTIES</b>			
Shore D Hardness, 15s	69 / *	-	ISO 7619-1

## APPLICATION PROPERTIES

### Shelf life:

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

## PROCESSING

Injection Molding

## DELIVERY FORM

Pellets

## SPECIAL CHARACTERISTICS

Heat Stabilized, Light Stabilized, UV Stable

## REGIONAL AVAILABILITY

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

# RILSAMID<sup>®</sup> AMN BLACK T6LD

## ADDITIVES

Release agent

Please consult Arkema's disclaimer regarding the use of Arkema's products on <https://www.arkema.com/en/products/product-safety/disclaimer/index.html>

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