

RILSAMID® AMN BLACK P40 TLD

PA12-P, MHLR, 12-004

Rilsamid® AMN BLACK P40 TLD resin is a black colored polyamide. This black grade is plasticized and designed for injection molding.

MAIN CHARACTERISTICS

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	51 / *	cm ³ /10min	ISO 1133
Temperature	235 / *	°C	-
Load	2.16 / *	kg	-
Molding Shrinkage, parallel	1.0 / *	%	ISO 294-4, 2577
Molding Shrinkage, normal	1.3 / *	%	ISO 294-4, 2577
MECHANICAL PROPERTIES			
Tensile Modulus	- / 460	MPa	ISO 527-1/-2
Yield stress	- / 24	MPa	ISO 527-1/-2
Yield strain	- / 26	%	ISO 527-1/-2
Nominal Strain at Break	- / > 50	%	ISO 527-1/-2
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	- / 25	kJ/m ²	ISO 179/1eA
Charpy Notched Impact Strength, -30°C	- / 4	kJ/m ²	ISO 179/1eA
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	172 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1040 / 1040	kg/m ³	ISO 1183

PROCESSING

Injection Molding

DELIVERY FORM

Pellets

ADDITIVES

Release agent, Plasticizer

SPECIAL CHARACTERISTICS

Heat Stabilized, Light Stabilized

REGIONAL AVAILABILITY

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

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