

RILSAMID® MA 4411 NAT

PA12, MHLR, 16-010

Rilsamid® MA 4411 NAT resin is a natural polyamide. This grade is plasticized and designed for tube extrusion.

Rilsamid® MA 4411 NAT resin falls into the PA12-HIPHL category according to DIN 73378 (PA12-HIP, EHL, 22-004).

This grade is also available in black.

MAIN CHARACTERISTICS

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	14 / *	cm ³ /10min	ISO 1133
Temperature	235 / *	°C	-
Load	5 / *	kg	-
MECHANICAL PROPERTIES			
Tensile Modulus	- / 470	MPa	ISO 527-1/-2
Yield stress	- / 25	MPa	ISO 527-1/-2
Yield strain	- / 23	%	ISO 527-1/-2
Nominal Strain at Break	- / > 50	%	ISO 527-1/-2
Shore D Hardness, 15s	63 / *	-	ISO 7619-1
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	- / No Break	kJ/m ²	ISO 179/1eA
Charpy Notched Impact Strength, -30°C	- / 6	kJ/m ²	ISO 179/1eA
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	175 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1030 / -	kg/m ³	ISO 1183

PROCESSING

Profile Extrusion, Other Extrusion

DELIVERY FORM

Pellets

ADDITIVES

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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