

Product Texts

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.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	14 / *	cm ³ /10min	ISO 1133
Temperature	235 / *	°C	-
Load	5 / *	kg	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	- / 470	MPa	ISO 527
^[C] Yield stress	- / 25	MPa	ISO 527
^[C] Yield strain	- / 23	%	ISO 527
^[C] Nominal strain at break	- / >50	%	ISO 527
^[C] Charpy notched impact strength, -30°C	- / 6	kJ/m ²	ISO 179/1eA
^[C] Shore D hardness	63 / *	-	ISO 7619-1

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	175 / *	°C	ISO 11357-1/-3

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Density	1030 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Profile Extrusion, Other Extrusion

Delivery form

Pellets, Natural Color

Additives

Plasticizer

Special Characteristics

High impact or impact modified, Light stabilized or stable to light, U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Regional Availability

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