

RILSAN® HT CMNO

PA11/10T,,M,C16-020

Rilsan® HT CMNO is a polyphthalamide produced from a renewable source.

Percentage of renewable carbon according to ASTM D 6866: **>65 %**.

MAIN CHARACTERISTICS

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	10 / *	cm ³ /10min	ISO 1133
Temperature	255 / *	°C	-
Load	2.16 / *	kg	-
Molding Shrinkage, parallel	1.3 / *	%	ISO 294-4, 2577
Molding Shrinkage, normal	1.2 / *	%	ISO 294-4, 2577
MECHANICAL PROPERTIES			
Tensile Modulus	- / 2400	MPa	ISO 527-1/-2
Yield stress	- / 64	MPa	ISO 527-1/-2
Yield strain	- / 4	%	ISO 527-1/-2
Shore D Hardness, 15s	81 / *	-	ISO 7619-1
Charpy Impact Strength, +23°C	- / 38	kJ/m ²	ISO 179/1eU
Charpy Impact Strength, -30°C	- / 59	kJ/m ²	ISO 179/1eU
Charpy Notched Impact Strength, +23°C	- / 6	kJ/m ²	ISO 179/1eA
Charpy Notched Impact Strength, -30°C	- / 8	kJ/m ²	ISO 179/1eA
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	255 / *	°C	ISO 11357-1/-3
Glass Transition Temperature, 10°C/min	82 / *	°C	ISO 11357-1/-2
OTHER PROPERTIES			
Density	1100 / -	kg/m ³	ISO 1183
%Bio-Based	65	-	ASTM D6866

MAIN APPLICATIONS:

- Glass fiber compound for electronic
- automotive & transportation applications
- Filament etc

PACKAGING:

This grade is delivered dried in sealed packaging (25 kg bags) ready to be processed.

SHELF LIFE:

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

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RILSAN®
HT
BY ARKEMA

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RILSAN® HT CMNO

Processing conditions :

- Typical melt temperature (Min / Recommended / Max) : 270°C / 280°C / 300°C.
- Typical mold temperature : 80 - 110°C.
- Drying time and temperature (only for bags opened for more than two hours) : 4 - 8 hours at 100 - 110°C.

Processing conditions :

- Typical melt temperature (Min / Recommended / Max) : 270°C / 280°C / 290°C.
- Drying time and temperature (only for bags opened for more than two hours) : 8 - 12 hours at 70 °C.

PROCESSING

Injection Molding, Profile Extrusion, Other Extrusion

DELIVERY FORM

Pellets

SPECIAL CHARACTERISTICS

Bio-Based

REGIONAL AVAILABILITY

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

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