

# HIPROLON® 400 NN LM

Hiprolon® 400 NN LM is a polyamide produced from a renewable source.  
This grade is a polyamide 10.12 neat resin.

Note that this document is a temporary technical data sheet.

## MAIN CHARACTERISTICS

Property	Typical Value	Unit	Test Method
<b>Nature &amp; Designation</b>	PA 1012, 22-010		ISO 1874
<b>Renewable Carbon (calculation)</b>	> 43	%	ASTM D6866
<b>Density</b>	1.03	g/cm <sup>3</sup>	ISO 1183
<b>Melting Point</b>	190	°C	ISO 11357
<b>Tensile Test (*)</b> Stress at Yield Strain at Break	40 > 50	MPa %	ISO 527
<b>Tensile Modulus (*)</b>	1100	MPa	ISO 527
<b>Flexural modulus (*)</b>	1100	MPa	ISO 178
<b>Charpy Impact (*)</b> Unnotched 23°C Unnotched -30°C V-notched 23°C V-notched -30°C	No break No break 14 11	kJ/m <sup>2</sup> kJ/m <sup>2</sup> kJ/m <sup>2</sup> kJ/m <sup>2</sup>	ISO 179

(\*) Samples conditioned 15 days at 23°C - 50 % R.H.

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## PROCESSING CONDITIONS

Conditions	Typical values
<b>Injection molding</b> Melt Temperature (Min / Recommended / Max)	<b>220°C / 240°C / 280°C</b>
<b>Extrusion</b> Melt Temperature (Min / Recommended / Max)	<b>210°C / 230°C / 260°C</b>
<b>Drying</b> Time Temperature	<b>4 hours</b> <b>80 - 90°C</b>

## PACKAGING

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

## SHELF LIFE

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

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See Safety Data Sheet for Health & Safety Considerations.