

**Ferro Nylon RNY20MA**

PA66-GF20

LyondellBasell Industries

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.004</b>	mm/mm	ASTM D 955

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>124</b>	MPa	ASTM D 638
Elongation at Break	<b>4</b>	%	ASTM D 638
Flexural Modulus	<b>5520</b>	MPa	ASTM D 790
Shore D Hardness	<b>86</b>	-	ASTM D 2240
Gardner Impact	<b>0.791</b>	J	ASTM D 2794,4226,5420
Izod Impact notched, 1/8 in	<b>75</b>	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	<b>690</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
DTUL @ 66 psi	<b>254</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>246</b>	°C	ASTM D 648

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1280</b>	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Processing humidity	<b>≤0.1</b>	%	-
Mold temperature	<b>66 - 82</b>	°C	-
Zone 1	<b>266 - 277</b>	°C	-
Zone 2	<b>266 - 277</b>	°C	-
Zone 3	<b>266 - 277</b>	°C	-
Nozzle temperature	<b>260 - 282</b>	°C	-
Injection pressure	<b>3.45 - 10.3</b>	MPa	-
Back pressure	<b>0.345 - 0.689</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, South and Central America

**Delivery form**

Pellets