

Ferro Nylon RNY20LA

PA6-GF20

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.004	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	124	MPa	ASTM D 638
Elongation at Break	3	%	ASTM D 638
Flexural Modulus	5520	MPa	ASTM D 790
Shore D Hardness	86	-	ASTM D 2240
Gardner Impact	1.13	J	ASTM D 2794,4226,5420
Izod Impact notched, 1/8 in	75	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	750	J/m	ASTM D 256
Thermal properties			
ASTM Data			
DTUL @ 66 psi	213	°C	ASTM D 648
DTUL @ 264 psi	204	°C	ASTM D 648
Other properties			
Density	1290	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Processing humidity	≤0.1	%	-
Mold temperature	66 - 82	°C	-
Zone 1	266 - 277	°C	-
Zone 2	266 - 277	°C	-
Zone 3	266 - 277	°C	-
Nozzle temperature	260 - 282	°C	-
Injection pressure	3.45 - 10.3	MPa	-
Back pressure	0.345 - 0.689	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, South and Central America

Delivery form

Pellets