

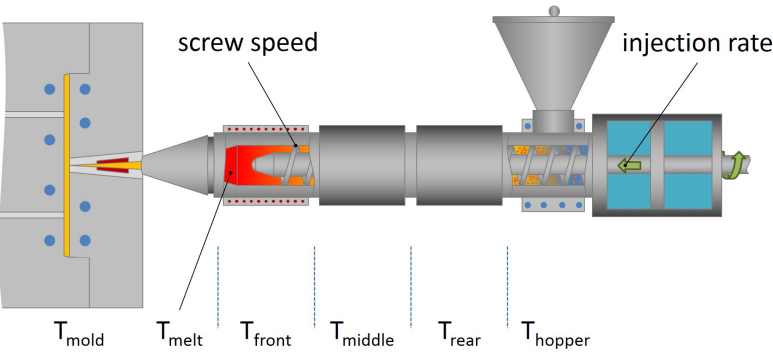
Technical Data Sheet
Ferro Nylon RNY20MA
Polyamide 66
Engineering Plastics



General			
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight		
Forms	• Pellets		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.28	1.28 g/cm³	ASTM D792
Molding Shrinkage - Flow	4.0E-3 in/in	0.40 %	ASTM D955
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	18000 psi	124 MPa	ASTM D638
Tensile Elongation (Break)	4.0 %	4.0 %	ASTM D638
Flexural Modulus	800000 psi	5520 MPa	ASTM D790
Flexural Strength (Yield)	28000 psi	193 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.125 in (3.18 mm)	1.4 ft·lb/in	75 J/m	ASTM D256
Unnotched Izod Impact 73°F (23°C), 0.120 in (3.05 mm)	13 ft·lb/in	690 J/m	ASTM D256
Gardner Impact	7.00 in·lb	0.791 J	ASTM D3029
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	86	86	ASTM D2240
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 66 psi (0.45 MPa), Unannealed	490 °F	254 °C	ASTM D648
264 psi (1.8 MPa), Unannealed	475 °F	246 °C	



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Injection	Nominal Value (English)	Nominal Value (SI)
Suggested Max Moisture	0.10 %	0.10 %
Rear Temperature	510 to 530 °F	266 to 277 °C
Middle Temperature	510 to 530 °F	266 to 277 °C
Front Temperature	510 to 530 °F	266 to 277 °C
Nozzle Temperature	500 to 540 °F	260 to 282 °C
Mold Temperature	150 to 180 °F	66 to 82 °C
Injection Pressure	500 to 1500 psi	3.45 to 10.3 MPa
Back Pressure	50.0 to 100 psi	0.345 to 0.689 MPa

Notes

These are typical property values not to be construed as specification limits.

