

Ferro Nylon RNY33MA14BK

PA66-GF33

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	165	MPa	ASTM D 638
Elongation at Break	5	%	ASTM D 638
Flexural Modulus	9650	MPa	ASTM D 790
Izod Impact notched, 1/8 in	100	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	263	°C	ASTM D 648
DTUL @ 264 psi	254	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1400	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
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

Delivery form

Pellets, Black

Regional Availability

North America, South and Central America