

Matrixx 14N4002

PP

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	8	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.019	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	30.3	MPa	ASTM D 638
Flexural Modulus	1280	MPa	ASTM D 790
Gardner Impact	14.7	J	ASTM D 2794,4226,5420
Izod Impact notched, 1/8 in	80	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 66 psi	90.6	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	988	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	82	°C	-
Melt temperature	182 - 227	°C	-
Mold temperature	32 - 66	°C	-
Zone 1	177 - 216	°C	-
Zone 2	177 - 227	°C	-
Zone 3	177 - 227	°C	-
Nozzle temperature	177 - 227	°C	-
Back pressure	<0.689	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant

Delivery form

Pellets

Regional Availability

North America