

Matrixx 14N4003

PP

LyondellBasell Industries

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

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	24.1	MPa	ASTM D 638
Flexural Modulus	1030	MPa	ASTM D 790
Izod Impact notched, 1/8 in	150	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	85	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	990	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	71 - 77	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	188 - 227	°C	-
Mold temperature	27 - 49	°C	-
Zone 1	182 - 199	°C	-
Zone 2	188 - 216	°C	-
Zone 3	199 - 216	°C	-
Nozzle temperature	204 - 227	°C	-
Back pressure	0.345 - 0.689	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Special Characteristics

Flame retardant

Features

Copolymer

Regional Availability

North America