

Matrixx PP3B0

PP

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	12	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	26.9	MPa	ASTM D 638
Elongation at Yield	11	%	ASTM D 638
Flexural Modulus	1140	MPa	ASTM D 790
Shore D Hardness	66	-	ASTM D 2240
Gardner Impact	18.1	J	ASTM D 2794,4226,5420
Izod Impact notched, 1/8 in	110	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 66 psi	82.2	°C	ASTM D 648
DTUL @ 264 psi	48.9	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	908	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	82 - 104	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	193 - 232	°C	-
Mold temperature	21 - 49	°C	-
Zone 1	177 - 232	°C	-
Zone 2	177 - 232	°C	-
Zone 3	177 - 232	°C	-
Back pressure	0.138 - 2.07	MPa	-

Characteristics**Processing**

Injection Molding

Features

Copolymer

Delivery form

Pellets

Regional Availability

North America