

**Matrixx 55N5006**

PC

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	12	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Yield	60.7	MPa	ASTM D 638
Flexural Modulus	2240	MPa	ASTM D 790
Gardner Impact	36.2	J	ASTM D 2794,4226,5420
Izod Impact notched, 1/8 in	690	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Burning behav. 5V at thickness h	5VA	class	IEC 60695-11-20
Thickness tested	2.5	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 66 psi	129	°C	ASTM D 648
DTUL @ 264 psi	127	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1230	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	121	°C	-
Pre-drying - Time	4	h	-
Melt temperature	282 - 299	°C	-
Mold temperature	71 - 104	°C	-
Zone 1	249 - 299	°C	-
Zone 2	249 - 299	°C	-
Zone 3	249 - 299	°C	-
Screw speed	40 - 75	rpm	-
Back pressure	0.345 - 0.689	MPa	-

**Characteristics****Delivery form**

Pellets

**Regional Availability**

North America

**Special Characteristics**

Flame retardant