

**Matrixx 12N5016**

PP

LyondellBasell Industries

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>10</b>	g/10min	ASTM D 1238
Temperature	<b>230</b>	°C	-
Load	<b>2.16</b>	kg	-
Mold Shrinkage, MD	<b>0.019</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>17.2</b>	MPa	ASTM D 638
Flexural Modulus	<b>862</b>	MPa	ASTM D 790
Gardner Impact	<b>19.2</b>	J	ASTM D 2794,4226,5420
Izod Impact notched, 1/8 in	<b>N</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
UL 94 Flame rating	<b>V-2</b>	-	UL 94
Thickness tested	<b>1.5</b>	mm	-
DTUL @ 66 psi	<b>79.4</b>	°C	ASTM D 648
<b>Other properties</b>			
Density	<b>928</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Delivery form**

Pellets

**Regional Availability**

North America

**Special Characteristics**

Flame retardant