

**Matrixx 50S5302**

PC-GF30

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>10</b>	g/10min	ASTM D 1238
Temperature	<b>300</b>	°C	-
Load	<b>1.2</b>	kg	-
Mold Shrinkage, MD	<b>0.002</b>	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>114</b>	MPa	ASTM D 638
Flexural Modulus	<b>6890</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>110</b>	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>1.5</b>	mm	-
DTUL @ 66 psi	<b>152</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>146</b>	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	<b>1430</b>	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>121</b>	°C	-
Pre-drying - Time	<b>4 - 6</b>	h	-
Melt temperature	<b>293 - 321</b>	°C	-
Mold temperature	<b>71 - 104</b>	°C	-
Zone 1	<b>282 - 310</b>	°C	-
Zone 2	<b>282 - 310</b>	°C	-
Zone 3	<b>282 - 310</b>	°C	-
Screw speed	<b>40 - 75</b>	rpm	-
Back pressure	<b>0.345 - 0.689</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America

**Delivery form**

Pellets