

Matrixx FP63E33

PA6-GF33

LyondellBasell Industries

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	186	MPa	ASTM D 638
Tensile Strength at Break	152	MPa	ASTM D 638
Flexural Modulus	8270	MPa	ASTM D 790
Izod Impact notched, 1/8 in	96	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	210	°C	ASTM D 648
DTUL @ 264 psi	199	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1380	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	71 - 93	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.1	%	-
Melt temperature	249 - 282	°C	-
Mold temperature	82 - 93	°C	-
Zone 1	249 - 282	°C	-
Zone 2	260 - 282	°C	-
Zone 3	260 - 282	°C	-
Back pressure	<0.345	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America

Delivery form

Pellets