

Technical Data Sheet

# Matrixx F663E23

Polyamide 66  
LyondellBasell Industries  
Engineering Plastics

**General**

Filler / Reinforcement • Glass Fiber, 23% Filler by Weight

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.29	1.29 g/cm <sup>3</sup>	ASTM D792

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength			ASTM D638
Yield, 73°F (23°C), 0.125 In (3.18 Mm)	21500 psi	148 MPa	
Flexural Modulus			ASTM D790
73°F (23°C), 0.125 In (3.18 Mm)	960000 psi	6620 MPa	

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact			ASTM D256
73°F (23°C), 0.125 In (3.18 Mm)	1.2 ft·lb/in	64 J/m	

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
264 Psi (1.8 Mpa), Unannealed, 0.125 In (3.18 Mm)	470 °F	243 °C	
RTI Elec	149 °F	65.0 °C	UL 746B
RTI Imp	149 °F	65.0 °C	UL 746B
RTI Str	149 °F	65.0 °C	UL 746B

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.06 In (1.5 Mm))	HB	HB	UL 94

Additional Information	Nominal Value (English)	Nominal Value (SI)	Test Method
Reinforcement Content	23 %	23 %	ASTM D5630

**Notes**

These are typical property values not to be construed as specification limits.