

Technical Data Sheet

Matrixx 75S5251

Polyamide 66
LyondellBasell Industries
Engineering Plastics

General	
Filler / Reinforcement	• Glass Fiber, 25% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.55	1.55 g/cm ³	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	19500 psi	134 MPa	ASTM D638
Flexural Modulus - Tangent	1.30E+6 psi	8960 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	1.3 ft·lb/in	69 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	490 °F	254 °C	
264 Psi (1.8 Mpa), Unannealed	470 °F	243 °C	
RTI Str	150 °F	65.6 °C	UL 746B
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating			UL 94
0.06 In (1.5 Mm)	V-1	V-1	
0.10 In (2.5 Mm)	5VA	5VA	

Notes

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