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Technical Data Sheet

Matrixx WP63E40

Polyamide 6
LyondellBasell Industries
Engineering Plastics

General	
Filler / Reinforcement	• Mineral, 40% Filler by Weight
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.49	1.49 g/cm³	ASTM D792
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (Yield)	16500 psi	114 MPa	ASTM D638
Flexural Modulus - Tangent	1.10E+6 psi	7580 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact	0.80 ft·lb/in	43 J/m	ASTM D256
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ASTM D648
264 Psi (1.8 Mpa), Unannealed	210 °F	98.9 °C	
RTI Str	150 °F	65.6 °C	UL 746B
Flammability	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Flame Rating (0.06 In (1.5 Mm))	HB	HB	UL 94

Notes

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