

Technical Data Sheet

Matrixx 80S7451

Polyethylene Terephthalate
LyondellBasell Industries
Engineering Plastics

General

- Filler / Reinforcement
 - Glass Fiber, 45% Filler by Weight
- Forms
 - Pellets

Physical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.70	1.70 g/cm ³	ASTM D792

Mechanical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	25000 psi	172 MPa	ASTM D638
Flexural Modulus - Tangent	2.00E+6 psi	13800 MPa	ASTM D790

Impact

	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	1.7 ft·lb/in	91 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	460 °F	238 °C	
264 Psi (1.8 Mpa), Unannealed	425 °F	218 °C	
RTI Str	170 °F	76.7 °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.