



Technical Data Sheet

# Matrixx 30S5451

Polybutylene 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	1.68	1.68 g/cm <sup>3</sup>	ASTM D792

**Mechanical**

	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	21000 psi	145 MPa	ASTM D638
Flexural Modulus - Tangent	1.50E+6 psi	10300 MPa	ASTM D790

**Impact**

	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	1.9 ft·lb/in	100 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	420 °F	216 °C	
264 Psi (1.8 Mpa), Unannealed	400 °F	204 °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.