

Technical Data Sheet

Matrixx 30M5401

Polybutylene Terephthalate
LyondellBasell Industries
Engineering Plastics

General

Filler / Reinforcement • Glass\Mineral, 40% Filler by Weight

Physical **Nominal Value (English)** **Nominal Value (SI)** **Test Method**

Density / Specific Gravity 1.62 1.62 g/cm³ ASTM D792

Mechanical **Nominal Value (English)** **Nominal Value (SI)** **Test Method**

Flexural Modulus - Tangent 73°F (23°C), 0.125 In (3.18 Mm) 1.20E+6 psi 8270 MPa ASTM D790

Flexural Strength Yield, 73°F (23°C), 0.125 In (3.18 Mm) 15000 psi 103 MPa ASTM D790

Impact **Nominal Value (English)** **Nominal Value (SI)** **Test Method**

Notched Izod Impact 73°F (23°C), 0.125 In (3.18 Mm) 1.3 ft-lb/in 69 J/m ASTM D256

Thermal **Nominal Value (English)** **Nominal Value (SI)** **Test Method**

Deflection Temperature Under Load 66 Psi (0.45 Mpa), Unannealed, 0.125 In (3.18 Mm) 420 °F 216 °C ASTM D648

264 Psi (1.8 Mpa), Unannealed, 0.125 In (3.18 Mm) 390 °F 199 °C

RTI Elec 167 °F 75.0 °C UL 746B

RTI Imp 167 °F 75.0 °C UL 746B

RTI Str 167 °F 75.0 °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 40 % 40 % ASTM D5630

Notes

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