

Technical Data Sheet

# Matrixx 30S5150

Polybutylene Terephthalate  
LyondellBasell Industries  
Engineering Plastics

## General

- |                        |                                     |
|------------------------|-------------------------------------|
| Filler / Reinforcement | • Glass Fiber, 15% Filler by Weight |
| Forms                  | • Pellets                           |

| Physical                          | Nominal Value (English) | Nominal Value (SI)     | Test Method |
|-----------------------------------|-------------------------|------------------------|-------------|
| Density / Specific Gravity        | 1.40                    | 1.40 g/cm <sup>3</sup> | ASTM D792   |
| Mechanical                        | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Tensile Strength (Yield)          | 14000 psi               | 96.5 MPa               | ASTM D638   |
| Flexural Modulus - Tangent        | 680000 psi              | 4690 MPa               | ASTM D790   |
| Impact                            | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Notched Izod Impact               | 0.90 ft·lb/in           | 48 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     | 400 °F                  | 204 °C                 |             |
| 264 Psi (1.8 Mpa), Unannealed     | 360 °F                  | 182 °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.