

Technical Data Sheet
Matrixx 84S7301
 Polyethylene Terephthalate
 Engineering Plastics



General	
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.68	1.68 g/cm ³	ASTM D792
Molding Shrinkage - Flow (0.125 in (3.18 mm))	3.0E-3 to 5.0E-3 in/in	0.30 to 0.50 %	Internal Method
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	19000 psi	131 MPa	ASTM D638
Flexural Modulus - Tangent	1.35E+6 psi	9310 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	1.4 ft·lb/in	75 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	450 °F	232 °C	
264 psi (1.8 MPa), Unannealed	395 °F	202 °C	
RTI Str	170 °F	76.7 °C	UL 746
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.06 in (1.5 mm))	V-0	V-0	UL 94

Notes

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