

Technical Data Sheet

Matrixx 34N2006

Polybutylene Terephthalate Alloy
Engineering Plastics



General			
Additive	• Flame Retardant		
Features	• Flame Retardant		
Forms	• Pellets		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.35	1.35 g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.010 to 0.014 in/in	1.0 to 1.4 %	ASTM D955
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	7000 psi	48.3 MPa	ASTM D638
Flexural Modulus	290000 psi	2000 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	10 ft·lb/in	530 J/m	ASTM D256
Gardner Impact	> 320 in·lb	> 36.2 J	ASTM D5420
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed	225 °F	107 °C	
264 psi (1.8 MPa), Unannealed	165 °F	73.9 °C	
RTI Elec	167 °F	75.0 °C	UL 746
RTI Imp	167 °F	75.0 °C	UL 746
RTI Str	167 °F	75.0 °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

Additional Information			
The value listed as Mold Shrinkage, ASTM D955, was tested in accordance with Matrixx test methods.			

Notes

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