



ADVANCED POLYMER TECHNOLOGIES

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PBT (Unfilled)

PROPERTY	NOMINAL VALUES	TEST METHOD
Physical		
Specific Gravity	1.3	ASTM D792
Moisture		ASTM D570
50% RH	0.25 %	
Saturation	0.5 %	
Mechanical		
Tensile Strength @ Yield (73°F)	8,700 psi	ASTM D638
Elongation @ Yield (73°F)	3.7 %	ASTM D638
Thermal		
Melting Point	433 °F	ASTM D3418
Heat Deflection @ 264 psi	150 °F	ASTM D648
Heat Deflection @ 66 psi	327 °F	ASTM D648
Electrical		
Volume Resistivity, 1.5 mm	>1E13	ASTM D257
Surface Resistivity, 1.5 mm	1E13	ASTM D257
Impact		
Notched Izod Impact		ASTM D256
-40°F	1.00 ft-lb/in	
73°F	1.00 ft-lb/in	
UL Ratings		
Flammability Rating, 1.5 mm	HB	UL94
Relative Temperature Index, 1.5 mm		UL746B
Mechanical w/ Impact	105 °C	
Electrical	130 °C	

*Typical values only. Actual properties of individual batches will vary within specification limits.