



CP06-N0033

Polyamide 6

Technical Data Sheet

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Physical	Method	Typical Value	Units
			Dry as Molded
Specific Gravity	ASTM D792	1.11	
Mold Shrink, Linear Flow (.125 in)	CPPT Method	0.010	in/in
Impact			
Notched Izod Impact (.125 in) 73°F	ASTM D256	1.0	ft-lbs/in
Mechanical			
Tensile Strength @ Yield	ASTM D638	11,000	psi
Tensile Elongation @ Break	ASTM D638	60	%
Flexural Strength	ASTM D790	11,500	psi
Flexural Modulus	ASTM D790	300,000	psi
Thermal			
Deflection Temperature Under Load			
.125 in, 66 psi	ASTM D648	180	°C
.125 in, 264 psi	ASTM D648	60	°C
Melt Point	ASTM D3418	220	°C

Information provided is based on typical values from reliable procedures. Values are based on natural or black materials unless otherwise noted. No guarantees or warranties of any kind are expressed or implied. Users are responsible for determining the suitability of the product for their intended application.