



## PRO Series Nylon Physical Properties Datasheet

Property	Test Method	Value	Comment
Melt Flow Index/ g/10 mins	ASTM D1238	5 – 15	Dependent on color. Tested at < 400 ppm moisture
Density/ $\text{gcm}^{-3}$	ASTM D792	1.14	Resin Manufacturer data
Heat Deflection Temperature/ $^{\circ}\text{C}$ *	ASTM D648 at 66 psi	110	
Flexural Peak Stress/ psi *	ASTM D790	6403	
Flexural Modulus/ kpsi *	ASTM D790	152	
Tensile Strength at Break/ psi *	ASTM D638, Type IV	6072	
Tensile Strength at Yield/ psi *	ASTM D638, Type IV	7582	
Tensile Elongation/ % *	ASTM D638, Type IV	27	
Tensile Modulus/ kpsi *	ASTM D638, Type IV	200	
Notched Izod Impact/ $\text{Jm}^{-1}$ *	ASTM D256	360	

\* 3D printed test specimens, 100 % solid, y-axis orientation