

# Trilliant™ HC HC6010-8001 WT

Polyamide 6  
PolyOne Corporation

Message:  
Glass fiber reinforced PA6 compound with PTFE lubricated, health care application

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 50% filler by weight		
Additive	PTFE lubricant		
Features	Lubrication		
Uses	Medical/nursing supplies		
Appearance	White		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.63	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage	0.10 - 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>	195	MPa	ASTM D638
Flexural Modulus <sup>2</sup>	13000	MPa	ASTM D790
Flexural Strength <sup>3</sup>	300	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Injection Molded)	180	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	215	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+12	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.20 mm, ALL)	HB		Internal method
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 90.0	°C	
Drying Time	2.0 - 4.0	hr	
Processing (Melt) Temp	240 - 280	°C	
Mold Temperature	65.0 - 85.0	°C	
Injection instructions			
Injection Pressure: MED-HIGHHold Pressure: MED-HIGHScrew Speed: MODERATEBack Pressure: LOW			
NOTE			
1.	5.0 mm/min		
2.	1.3 mm/min		
3.	1.3 mm/min		

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