

Trilliant™ HC HC5220-0040 RS Natural

Polypropylene
PolyOne Corporation

Message:

The Trilliant® specialty compounds offer a complete system of specialty engineered materials, certified processes, services and technical support that enable healthcare OEM's to get to market ahead of the competition. When specified, Trilliant® compounds may incorporate agency rated materials that meet USP Class VI, FDA or ISO 10993 testing requirements.

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Features	Biocompatible		
	Good Chemical Resistance		
	Good Colorability		
	Specialty Grade		
Uses	Hospital Goods		
	Medical/Healthcare Applications		
Agency Ratings	USP Class VI		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	6.0	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.10	%	
Across Flow	1.4	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	57.9	MPa	ASTM D638
Tensile Elongation ² (Break)	1.0	%	ASTM D638
Flexural Modulus	6790	MPa	ASTM D790
Flexural Strength	88.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	43	J/m	ASTM D256A
Unnotched Izod Impact	210	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Annealed, 3.18 mm	> 155	°C	
1.8 MPa, Annealed	138	°C	

Melting Temperature	204 to 216	°C
Injection	Nominal Value	Unit
Mold Temperature	26.7 to 37.8	°C
NOTE		
1.	Type I, 51 mm/min	
2.	Type I, 51 mm/min	

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Recommended distributors for this material

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