

Trilliant™ HC 2020-0001 FR

Copolyester

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			
UL YellowCard	E76261-102291661		
Features	Good coloring		
	Good chemical resistance		
	Special specifications		
	Flame retardancy		
Uses	Shell		
	Medical/nursing supplies		
	Medical equipment		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 - 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	42.1	MPa	ASTM D638
Tensile Elongation ² (Break)	70	%	ASTM D638
Flexural Modulus	1590	MPa	ASTM D790
Flexural Strength (Yield)	68.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	530	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Annealed, 3.18 mm)	103	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
0.79 mm	V-2		UL 94
1.6 mm	V-0		UL 94
3.2 mm	V-0		UL 94
NOTE			
1.	Type 1, 51mm/min		

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Recommended distributors for this material

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