

Trilliant™ HC X HC5200-0026 RS Natural

Polypropylene
PolyOne Corporation

Message:

Trilliant™ HC X HC5200-0026 RS Natural is a Polypropylene product filled with talc. It can be processed by injection molding and is available in North America. Typical application: Medical/Healthcare.

General Information			
Filler / Reinforcement	Talc		
Features	Medium Flow		
	Specialty Grade		
Uses	Disposable Hospital Goods		
	Hospital Goods		
	Medical Devices		
	Medical/Healthcare Applications		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Specific Volume	0.954	cm ³ /g	ASTM D792
Molding Shrinkage - Flow	0.80 to 1.2	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	92		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	33.8	MPa	ASTM D638
Tensile Elongation ² (Break)	45	%	ASTM D638
Flexural Modulus	2170	MPa	ASTM D790
Flexural Strength	50.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	37	J/m	ASTM D256A
Unnotched Izod Impact ³ (23°C, 3.18 mm)	400	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.18 mm)	124	°C	ASTM D648
NOTE			
1.	Type I, 51 mm/min		
2.	Type I, 51 mm/min		

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