



Trilliant™ HC X HC5200-0026 RS Natural Polypropylene

Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• North America
Filler / Reinforcement	• Talc
Features	• Medium Flow • Specialty Grade
Uses	• Disposable Hospital Goods • Medical Devices • Hospital Goods • Medical/Healthcare Applications
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.05	1.05	ASTM D792
Specific Volume	26.4 in ³ /lb	0.954 cm ³ /g	ASTM D792
Molding Shrinkage - Flow	8.0E-3 to 0.012 in/in	0.80 to 1.2 %	ASTM D955
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Yield)	4900 psi	33.8 MPa	ASTM D638
Tensile Elongation ² (Break)	45 %	45 %	ASTM D638
Flexural Modulus	315000 psi	2170 MPa	ASTM D790
Flexural Strength	7330 psi	50.5 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.125 in (3.18 mm), Injection Molded	0.70 ft·lb/in	37 J/m	ASTM D256A
Unnotched Izod Impact ³ 73°F (23°C), 0.125 in (3.18 mm)	7.5 ft·lb/in	400 J/m	ASTM D256
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Rockwell Hardness (R-Scale)	92	92	ASTM D785
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load 66 psi (0.45 MPa), Unannealed, 0.125 in (3.18 mm)	256 °F	124 °C	ASTM D648

Notes

¹ Typical values are not to be construed as specifications.

² Type I, 2.0 in/min (51 mm/min)

³ Injection Molded