



Trilliant™ HC HC5200-0008 X

Polypropylene Alloy

Key Characteristics

General		
Material Status	• Commercial: Active	
Regional Availability	• North America	
Features	• High Specific Gravity • Non-Toxic	• Radiopaque • X-Ray Shielding
Uses	• Industrial Applications • Medical/Healthcare Applications	• Radiation Shielding • Weighting & Balancing
Appearance	• Natural Color	
Forms	• Pellets	
Processing Method	• Injection Molding	• Sheet Extrusion

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	2.16	2.16	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0 g/10 min	3.0 g/10 min	ASTM D1238
Molding Shrinkage - Flow	7.0E-3 to 0.011 in/in	0.70 to 1.1 %	ASTM D955
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Yield)	2300 psi	15.9 MPa	ASTM D638
Tensile Elongation ² (Break)	3.0 %	3.0 %	ASTM D638
Flexural Modulus	210000 psi	1450 MPa	ASTM D790
Flexural Strength	4000 psi	27.6 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Unnotched Izod Impact			ASTM D256
73°F (23°C), 0.125 in (3.18 mm)	4.0 ft·lb/in	210 J/m	

Notes

¹ Typical values are not to be construed as specifications.

² Type I, 0.20 in/min (5.1 mm/min)