



# Trilliant™ HC HC5420-0002 LL Natural

## Polyolefin

### Key Characteristics

#### Product Description

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

Material Status	• Commercial: Active
Regional Availability	• North America
Features	• Biocompatible • Good Colorability • Specialty Grade
Uses	• Hospital Goods • Medical/Healthcare Applications
Agency Ratings	• USP Class VI
RoHS Compliance	• RoHS Compliant
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

### Technical Properties <sup>1</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	0.930	0.930	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20 g/10 min	20 g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance 122°F (50°C), 100% Igepal	20.0 hr	20.0 hr	ASTM D1693
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength <sup>2</sup> (Yield)	1650 psi	11.4 MPa	ASTM D638
Tensile Strength (Break)	1150 psi	7.93 MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	60 %	60 %	ASTM D638
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D)	50	50	ASTM D2240

#### Additional Information

REACH Compliant

#### Notes

<sup>1</sup> Typical values are not to be construed as specifications.

<sup>2</sup> Type I, 2.0 in/min (51 mm/min)

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