

Trilliant™ HC HC3620-0040 RS Natural
(PC+PBT)

Avient Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.007	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.007	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	43.4	MPa	ASTM D 638
Elongation at Break	100	%	ASTM D 638
Flexural Modulus	1790	MPa	ASTM D 790
Flexural Strength	59.3	MPa	ASTM D 790
Izod Impact notched, 1/8 in	690	J/m	ASTM D 256

Other properties	Value	Unit	Test Standard
Density	1200	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	82.2	°C	-
Pre-drying - Time	3	h	-
Melt temperature	249 - 271	°C	-
Mold temperature	37.8 - 60	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets, Natural Color

Special Characteristics

High impact or impact modified

Chemical Resistance

General Chemical Resistance

Certifications

Medical Grade, US Pharmacopeia Class VI Approved

Applications

Encapsulation, Medical

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa