

Trilliant™ HC HC9820-0030 RS Natural

PEEK-GF30

Avient Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.011	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	177	MPa	ASTM D 638
Elongation at Break	9	%	ASTM D 638
Flexural Modulus	8960	MPa	ASTM D 790
Flexural Strength	259	MPa	ASTM D 790
Izod Impact notched, 1/8 in	120	J/m	ASTM D 256

Other properties	Value	Unit	Test Standard
Density	1510	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	104	°C	-
Pre-drying - Time	3	h	-
Melt temperature	360 - 382	°C	-
Mold temperature	163 - 177	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Natural Color

Chemical Resistance

General Chemical Resistance

Certifications

Medical Grade, US Pharmacopeia Class VI Approved

Applications

Medical

Regional Availability

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