

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	1586	MPa	ASTM D 638
Tensile Strength	43	MPa	ASTM D 638
Elongation at Break	14	%	ASTM D 638
Flexural Modulus	1386	MPa	ASTM D 790
Flexural Strength	48	MPa	ASTM D 790
Shore D Hardness	73	-	ASTM D 2240
Gardner Impact	2.71	J	ASTM D 2794,4226,5420
Izod Impact notched, 1/8 in	32	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	336	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
DTUL @ 66 psi	180	°C	ASTM D 648
DTUL @ 264 psi	95	°C	ASTM D 648
Other Standards^[5]			
Coefficient of Thermal Expansion, MD	82.8	E-6/K	ASTM E 831
Specific Heat	1040	J/(kg K)	ASTM E 1269

S: These properties are reported by the producer according standards that are different to our defaults.

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	17.3	kV/mm	ASTM D 149
Surface Resistivity	7E12	Ohm	ASTM D 257
Volume Resistivity	5.9E13	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.07	%	ASTM D 570
Density	1000	kg/m ³	ASTM D 792

Characteristics

Processing

Additive Manufacturing

Delivery form

Powder, White

Special Characteristics

Sterilizable, Steam sterilization

Chemical Resistance

General Chemical Resistance

Certifications

Medical Grade, US Pharmacopeia Class VI Approved

Applications

Aircraft and Aerospace, Electrical and Electronical, Medical

Regional Availability

North America, Europe, Asia Pacific