



UL Flammability

UL 94 Rating	V0	V2
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Mechanical

Tensile Stress (PSI) as molded (ASTM D638)	6318	7040
Tensile Strength (PSI) as molded (ASTM D638)	13000	11100
Ultimate Elongation as molded (ASTM D638)	19%	23%
Elasticity Modulus (PSI) as molded (ASTM D638)	446000	420000

Thermal

Printing Temperature	235°C - 250°C
Melting Temperature	235°C
Tg Glass Transition	55°C
Pyrolysis - Thermal Degradation	350°C
Non-Destructive Evaluation	YES
Print-Bed Temperature	30°C - 65°C
Ambient Temperature (enclosure)	20°C - 50°C

Physical

Nominal Diameter (3 mm Max diameter)	1.75 mm / 2.88 mm
Weight / Spool	1 lb.
Nominal Length / Spool (ft.)	480 / 170
Shrinkage - in / in	< 0.5 %

Features

Surface Texture	Very Good
Fumes	None
Printed Prosthesis	Excellent
Robotic Assemblies	Excellent
Overhand Printing	Excellent
Dimensional Accuracy	Excellent
Bridging Gaps	Excellent

Approvals

FDA - Direct Food Contact	NO
FDA - Direct Drink Contact	NO