



PARAGON
AM Technologies

MATERIALS SPOTLIGHT



EPX 82: Flame rated UL 94 HB. Blue Card.
Ultimate Tensile Strength: 80 MPa
Elongation at Break: 5%
Heat Deflection Temperature: 130°C
Impact Strength (Notched): 45 J/m

EPX 86
Tough, strong and
flame retardant

EPX 86: Flame rated UL 94, V-0, V-1

Ultimate Tensile Strength: 90 MPa; Elongation at Break: 5%

Heat Deflection Temperature: 135°C; Impact Strength (Notched): 30 J/m

Flammability: V-0 (2.0 mm), V-1 (1.5 mm)



EPX 82
Strong, durable and
tough
IMDS Registered



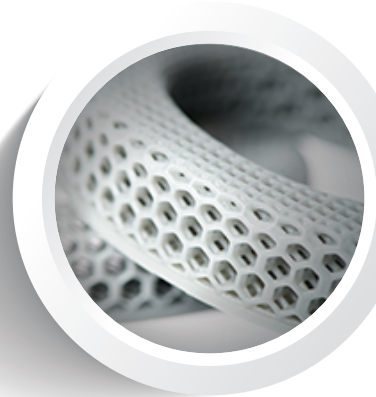
RPU 70
Tough, moderately heat
resistant material with
ABS-like properties
IMDS Registered

RPU 70: Flame rated UL 94 HB. Blue Card.
Ultimate Tensile Strength: 40 MPa
Elongation at Break: 100%
Heat Deflection Temperature: 60°C
Impact Strength (Notched): 22 J/m



RPU 130
Tough, heat resistant material
similar to nylon
IMDS Registered

RPU 130:
Ultimate Tensile Strength: 35 MPa
Elongation at Break: 100%
Heat Deflection Temperature: 120°C
Impact Strength (Notched): 75 J/m



SIL 30
Soft,
biocompatible
and tear
resistant
IMDS Registered

SIL 30:
Shore A Hardness: 35
Elongation at Break: 350%
Tear Strength: 10 kN/m
Bayshore Resilience: 20%



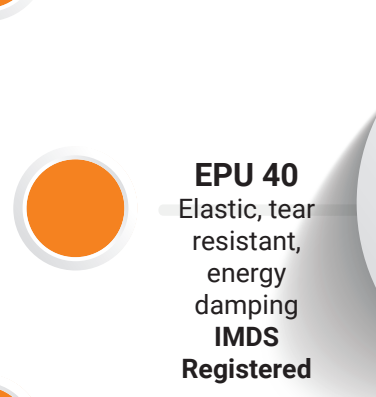
**LOCTITE® 3D IND405
Clear**
Tough, rigid and clear

LOCTITE® 3D IND405 Clear
Ultimate Tensile Strength: 42 MPa
Elongation at Break: 120%
Tensile Modulus: 1500 MPa
Impact Strength (Notched): 50 J/m



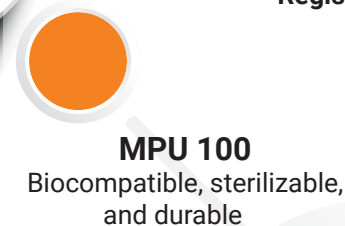
FPU 50
Tough and fatigue
resistant

FPU 50:
Ultimate Tensile Strength: 25 MPa
Elongation at Break: 200%
Tensile Modulus: 700 MPa
Impact Strength (Notched): 40 J/m



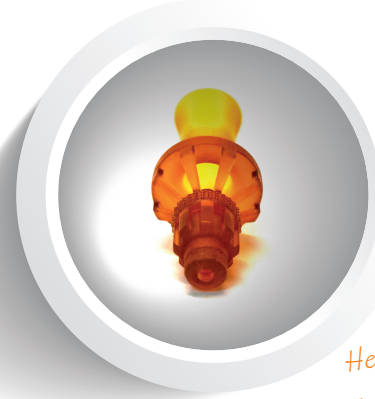
EPU 40
Elastic, tear
resistant,
energy
damping
IMDS
Registered

EPU 40:
Shore A Hardness: 68
Elongation at Break: 300%
Tear Strength: 20 kN/m
Bayshore Resilience: 30%



MPU 100
Biocompatible, sterilizable,
and durable

MPU 100:
Ultimate Tensile Strength: 35 MPa
Biocompatibility: USP Class VI, ISO
10993-5 and -10
Heat Deflection Temperature: 50°C
Impact Strength (Notched): 30 J/m



CE 221
Strong, stiff and
temperature resistant

CE 221:
Ultimate Tensile Strength: 85 MPa
Elongation at Break: 3%
Heat Deflection Temperature: 230°C
Impact Strength (Notched): 15 J/m

www.paragon-rt.com
+44 1325 333 141 | info@paragon-rt.com