

EPU 42

EPU 42 is a production-grade elastomeric material that is especially well-suited for elastomeric lattices where damping properties are needed.

EPU 42

Tensile Properties ASTM D412, Die C, 500 mm/min	Metric	US
Tensile Modulus	10 MPa	1450 psi
Elongation at Break	300%	300%
Stress at 50% Elongation	23 MPa	330 psi
Ultimate Tensile Strength	17 MPa	2500 psi

Other Properties	Metric	US
Compression Set, 23 °C, 72 h, ASTM D395-B	30%	
Bayshore Rebound Resilience, ASTM D2632	20%	

Thermal Properties	Metric	US
T _g (DMA, tan(d)), ASTM D4065	23 °C	73 °F

General Properties	
Hardness, ASTM D2240	77 (Instant), 73 (5 sec), Shore A
Bulk Density, ASTM D792	1.0 g/cm ³
Relative Abrasion Volume Loss, ISO-4649 A	200 mm ³

Liquid Properties	
Liquid Density (Part A)	0.99 g/mL
Liquid Density (Part B)	0.95 g/mL
Liquid Density (Part A+B)	0.99 g/mL
Part A:B Volume Ratio (Mass Ratio)	10.0 (10.4)
25 °C Viscosity (Part A)	2900 cP
25 °C Viscosity (Part B)	110 cP
25°C Viscosity (Part A+B)	2400 cP

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Parts were processed using an M series printer and a Smart Part Washer with VF 1 as the solvent.