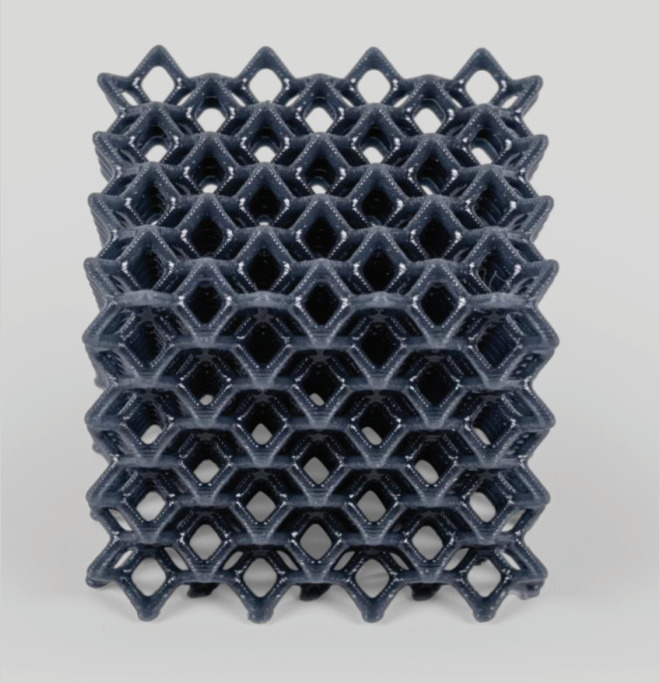




EM⁺24

Elastic Material



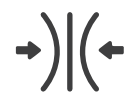
Application Area

Sports Shoe Midsoles

Automotive Interiors

Industrial Suspensions

EM⁺24 has ultra-high resilience, combined with LuxCreo’s unique lattice structure, the same energy return (Energy Return) can reach 83%, exceeding Pebax foam material. At the same time, EM⁺24 is resistant to low temperatures and can still maintain high resilience at -30°C. EM⁺24 is an ideal material for rapid prototyping and elastic processing parts such as sports shoe midsoles, automotive interiors and industrial suspensions. Based on LEAPTTM nano-release technology, the component molding speed is fast, with excellent dimensional accuracy and detail resolution.



Resilient



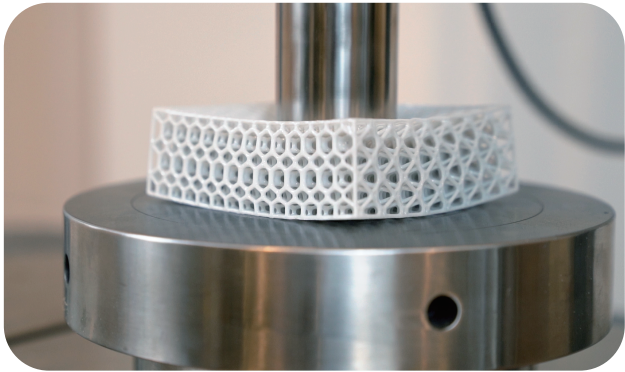
High Rebound



Flexible



High rebound and resilience are ideal for footwear midsole applications.



Excellent resilience up to one million compression cycles ensures long-lasting reliable performance.

Mechanical Properties :

Tensile Properties, ISO 37	Metric	U.S.
Ultimate Tensile Strength	16.68 MPa	2.42 ksi
Elongation at Break	210 %	210 %
Mechanical Properties	Metric	U.S.
Tear Strength, ASTM D624, Die-T (die cut)	27.30 kN/m	155.88 lbf/in
Thermal Properties, ASTM D648	Metric	U.S.
Tg (DMA, tan(d)), ASTM D4065	-34.7 °C	-30.46 °F
General Properties	Metric	
Hardness,Shore A,ASTMD2240	70A	
Density, ASTM D792	1.05 g/cm ³	
Density (liquid resin)	1.02 g/cm ³	