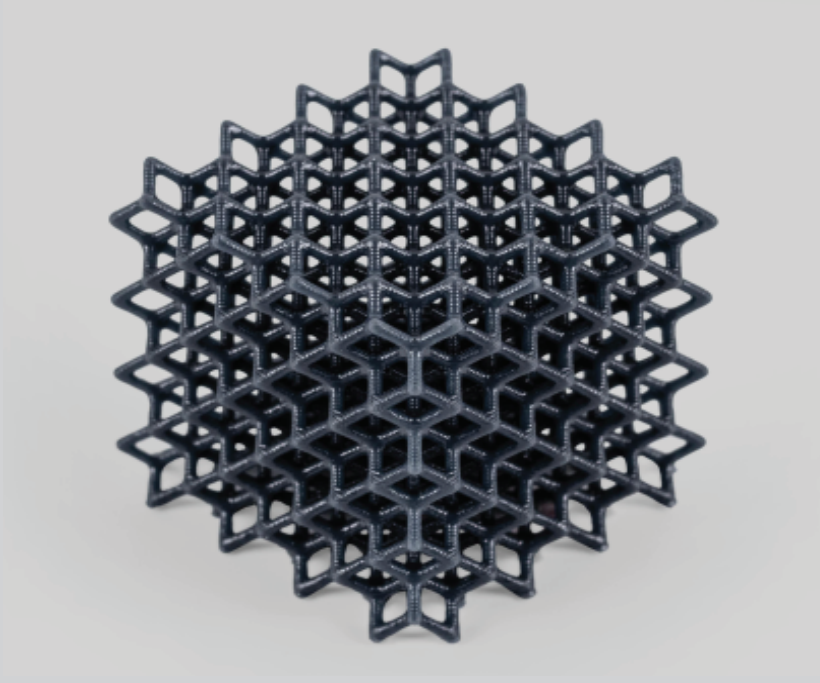




EM⁺21

Elastic Material



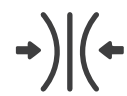
Application Area

Footwear industry

Automotive industry

Industrial manufacturing

EM⁺21 is the latest of LuxCreo’s elastomer materials. Possessing excellent elasticity and tear resistance, it is suitable for the production of parts that need to be bent, stretched, or compressed hundreds of thousands of cycles without compromising on performance. EM⁺21 is an ideal fit for any application requiring cushioning, including sports shoe midsoles, automotive interiors, and industrial suspensions.



Resilient



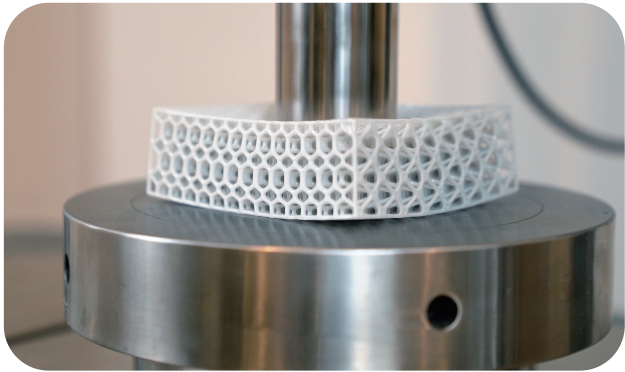
High Rebound



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	21.22 MPa	3.22 ksi
Elongation at Break	265 %	265 %
Mechanical Properties	Metric	U.S.
Tear Strength, ASTM D624, Die-T (die cut)	23.66 kN/m	135.02 lbf/in
Thermal Properties, ASTM D648	Metric	U.S.
Tg (DMA, tan(d)), ASTM D4065	-23.48 C	-10.26 °F
General Properties	Metric	
Hardness,Shore A,ASTMD2240	70A	
Density, ASTM D792	1.10 g/cm ³	
Density (liquid resin)	0.99 g/cm ³	