

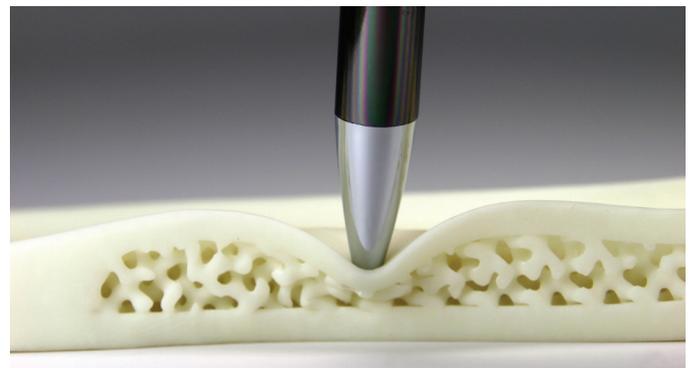
## E-Shore A

Let us print your part!<sup>1</sup>



E-Shore A 40

E-Shore A 80



This advanced engineering-grade material is a polyurethane-like material that produces a final material with soft Shore A values of 40 or 80 depending on your needs. E-Shore A is a material developed for end-use applications such as footwear, sporting goods, and other uses requiring durability, comfort and flexibility. E-Shore A is also waterproof.

Material Properties <sup>2</sup> - Beta Material	E-Shore A 40	E-Shore A 80
Tensile Strength, ASTM D412	3.26 MPa	4.46 MPa
Elongation at Break, ASTM D412	180%	200%
Tear Strength, ASTM D624	14.5 KN/m	21.7 KN/m
Hardness, Shore	40-50 A	80 A
Correction Dissipation Factor, ASTM D150 Frequency 1 KHz, D	0.0117	0.119
Dielectric Constant, K'	6.95	6.63
Density	1.6 g/cm <sup>3</sup>	1.6 g/cm <sup>3</sup>
Compression Set, 23C, ASTM D395-14	30%	20%
Resilience Test @ 23 C, ASTM D2632-15	5%	18%

### Recommended 3D Printer Family<sup>3</sup>

Perfactory LED Family

<sup>1</sup> Learn more at [Envisiortec.com/printmypart](https://envisiortec.com/printmypart)

<sup>2</sup> All data provided is preliminary and must be verified by the individual user

<sup>3</sup> May not be suitable for all machine models within a 3D printer family. Please refer to specific model online for compatibility.