

# EPU 46

**Technology:** DLS

**COLOR OPTIONS:**  Customizable

**APPLICATIONS:**

- Shoe Midsoles
- Saddles
- Grips

**DESCRIPTION:**

EPU 46, Carbon's high-performance elastomer, offers customizable color and stiffness, expanding their market portfolio. With twice the stiffness of EPU 41, it enables lighter parts and diverse printable geometries. This bio-based elastomer supports eco-friendly practices and is available in both black and color bases for versatile applications.

**FEATURES:**

- Energy-returning
- Customizable colors
- Tunable material stiffness
- Biocompatible

**TECHNICAL DATA**

PROPERTY	ASTM	METRIC UNITS
Tensile Strength	D412	26 MPa
Modulus of Elasticity, Youngs Modulus	D412	15 MPa
Elongation Break (%)	D412	330 %
Shore A Hardness	D2240	78
Bayshore Resilience	D2632	36%
Tear Strength	D642	44 kN/m
Glass Transition Temperature	D4065	-6°C