

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 |