



DINSMORE
AN ADDMAN GROUP COMPANY

MATERIAL SPEC SHEET

FPU 50

Technology: **Carbon DLS**

COLOR OPTIONS: ■ Black



APPLICATIONS:

Living hinges.

DESCRIPTION:

Flexible Polyurethane is a material without equal in the additive industry. It is designed to withstand repetitive stresses, making it ideal for tough enclosures, hinging mechanisms, and friction fits.

FEATURES:

High Impact strength. Abrasion resistant. Semi rigid.

TECHNICAL DATA

PROPERTY	ASTM	METRIC UNITS
Tensile Strength	D638M	20 +/- 1 MPa
Modulus of Elasticity, Youngs Modulus	D638M	860 ± 110 MPa
Elongation Break (%)	D638M	7 %
Flexural Strength	D790M	32 MPa
Flexural Modulus	D790M	831 ± 36 MPa
IZOD Impact Strength (notched)	D256A	40 J/m
Heat Deflection Temperature @ 0.45 MPa/66 psi, (°C)	D648	78 °C

