

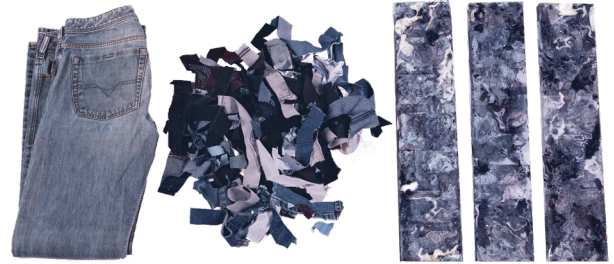
DENIMOLITE

Revolutionising waste textile recycling

Denim - manufacturing off-cuts and unwanted garments



DATA SHEET



MATERIAL TESTING

Tested against: ASTM - D 3039/D 3039M - 00e1

Modulus of Elasticity - 3955 +/- 932 MPa
Tensile Strength (yield) - 27.9 +/- 3.2 MPa
Tensile Strength (break) - 25.9 +/- 5.4 MPa
Elongation at Break - 0.8 +/- 0.1 %

MATERIALS

Made using unusable manufacturing off-cuts from denim garment manufacturers, unwanted waste denim clothing items as well as notoriously difficult to recycle 'stretch denim' from fast fashion garments. Infused GreenPoxy/ InFu Green high bio-based carbon content resin system with 50% plant-based ingredients, independently certified using Carbon 14 measurements ASTN D6866 or XP CEN/TS16640.

WASTE DENIM FABRIC

The waste textiles we use to create Denimolite is sourced from donations of unwanted waste garments, unusable manufacturing off-cuts, and procured non-recyclable waste fast fashion garments. All textiles are thoroughly washed.

MACHINABILITY

Denimolite can be milled, turned, drilled and cut using mechanical saws, we recommend a standard band-saw blade. Denimolite can be finished to a soft textile-like feel or polished to a gentle sheen. For high gloss finish a coat of bees wax or other natural sealant should be applied. Our panels can be adhered as a decorative cladding/ veneer, onto other materials to create items such as table tops to create thicker materials.

USAGE

Recommended for interior applications. Suitable for residential and commercial spaces.