

## Marine Grade TPU 90A

Catlog Number: EFM-0070

### • Description

Hydrolysis-resistant TPU designed for long-term underwater applications, offering superior resistance to material breakdown in saltwater environments.

### • Basic Information

Material Category: Polyether TPU

Tensile Strength: 32.0 MPa

Elongation at Break: 5.5

Hardness (Shore): 90A

Tear Strength: 100 kN/m

Glass Transition (Tg): -38°C

Viscosity (@25°C): N/A

Density: 1.17 g/cm<sup>3</sup>

Water Absorption: 0.002

Flexural Modulus: 65 MPa

Shrinkage Rate: 0.005

Color Options: Blue/Natural

Compression Set: 0.2

Resilience: 0.5

Izod Impact: Non-break

Melting Point: 220°C

Storage Temp: Room Temp

Curing Wavelength: N/A

Layer Thickness: 0.15mm

Solubility: Insoluble

Abrasion Resistance: Superior

Thermal Stability: 110°C

Odor Level: Low

Bio-compatibility: Hydrolysis Res.

Compatible Tech: FDM/FFF

 For Research or Industrial Raw Materials, Not For Personal Medical Use!