

Soleic Urethane systems are plant based, low carbon and aerobically biodegradable, according to ISO14855/ASTM5338. Plus have been seen to be non-ecotoxic according to OECD 208.

Typical properties for a TPU are shown in the table, the exact formulation and properties can be tuned to the customer needs.

Soleic TPU can be used to coat fabric to create fully biodegradable product with water resistancy.



A- As compared to equivalent petroleum-derived products with GHG Emissions ranging from 8.11 - 10.25 kg CO₂ eq/kg

Biocontent %	56
GHG Emissions (kg CO eq/kg)	1.71
GHG Emissions Reduction (%)	77.8 ^A
Hardness (Asker C)	60 ± 5
Density (g/cm ³)	1.25
Abrasion Loss (mm ³)	<50
Tensile Strength (MPa)	>34
100 % Modulus (MPa)	>12
Elongation at Break (%)	>450
Melt Flow Index (g/10 min @ Load 10 kg, 205 °C)	5-20