



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 repellency.



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

Biocontent (%)	76
GHG Emissions (kg CO eq/kg)	1.49
GHG Emissions Reduction (%)	83.8 ^A
Hardness (Asker C)	70 ± 5
Density (g/cm ³)	1.25
Abrasion Loss (mm ³)	<90
Tensile Strength (MPa)	>16
100 % Modulus (MPa)	>2
Elongation at Break (%)	>800
Melt Flow Index (g/10 min @ Load 10 kg, 205 °C)	7-10

