soleic by ALGENESIS

Soleic® TPU 1295A

USDA CERTIFIED BIOBASED PRODUCT
PRODUCT 59%

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 for injection molding and 3D printing.

A- As compared to equiuvalent petroleum-derived products with GHG Emissions ranging from 8.11 - 10.25 kg CO_2 eq/kg

Biocontent (%)	59
GHG Emissions (kg CO_2eq/kg)	1.65
GHG Emissions Reduction (%)	79.7[A]
Hardness (Asker C)	95 ± 5
Density (g/cm^3)	1.25
Abrasion Loss (mm^3)	<50
Tensile Strength (MPa)	>30
100 % Modulus (MPa)	>11
Elongation at Break (%)	>600
Melt Flow Index (g/10 min @ Load 10 kg, 205 °C)	15-25