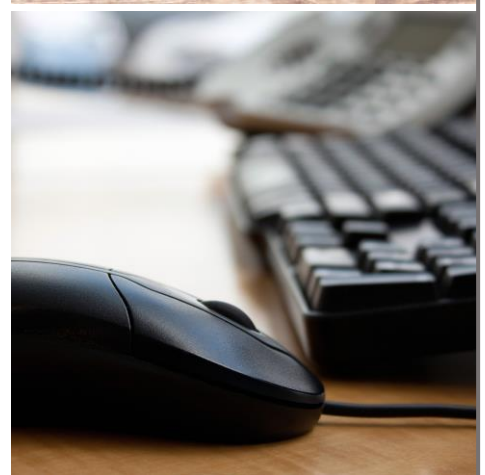


# Traverse<sup>®</sup> XD1000

## Injection Molding Engineering Material

Designed for extra-durable applications such as tools, housewares and toys, XD 1000 delivers over 99% bio-based content. Traverse<sup>®</sup> XD1000 is an alternative to ABS, PAPA and a number of other engineering plastics.

- 🔸 **Over 99% biobased**
- 🔸 **Excellent durability**
- 🔸 **High stiffness & strength**
- 🔸 **High ductility**
- 🔸 **Heat resistance up to 110 °C (230 °F)**
- 🔸 **Recyclable**



### Typical Material Properties<sup>(\*)</sup>

Physical Properties	Traverse <sup>®</sup> XD 1000	ASTM Method
Melt Flow Index (230 °C, 2.16 kg), g/10 min	18	D1238
Clarity	Opaque	
<b>Mechanical Properties</b>		
Ultimate Tensile Strength, psi (MPa)	8 100 (56)	D638
Tensile Elongation at yield, %	6	D638
Tensile Elongation at break, %	> 400	D638
Flexural Strength, psi (MPa)	9 750 (67)	D790
Flexural Modulus, psi (MPa)	300 000 (2 068)	D790
Notched Izod Impact, ft-lb/in (J/m)	0.84 (45)	D256

*Note: Traverse<sup>®</sup> XD1000 shrinkage is less than ABS.*

Solegear encourages the recovery of Traverse<sup>®</sup> and Polysole<sup>®</sup> products

**Solegear's Traverse<sup>®</sup> bioplastics are engineered with the maximum possible bio-based content for high performance applications. Traverse<sup>®</sup> is 100% recyclable and contains no chemicals of concern.**

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<sup>(\*)</sup>Typical properties; not to be construed as specification limits