

Traverse[®] XD1010

High Impact Injection Molding Engineering Material

Designed for extra-durable and high impact applications such as electronic enclosures, accessories, toys and tools, XD1010 delivers excellent ductility and can replace ABS, ABS/PC and a number of other engineering plastics.

- 🔸 **Over 85% biobased**
- 🔸 **Excellent impact resistance**
- 🔸 **Excellent durability**
- 🔸 **High stiffness and ductility**
- 🔸 **Heat resistant up to 110 °C (230 °F)**
- 🔸 **Recyclable**



Typical Material Properties^(*)

Physical Properties	Traverse [®] XD1010	ASTM Method
Melt Flow Index (230 °C, 2.16 kg), g/10 min	17	D1238
Clarity	Opaque	
Mechanical Properties		
Ultimate Tensile Strength, psi (MPa)	5 600 (38)	D638
Tensile Elongation at yield, %	6.3	D638
Tensile Elongation at break, %	> 400	D638
Flexural Strength, psi (MPa)	7 280 (50)	D790
Flexural Modulus, psi (MPa)	274 000 (1 890)	D790
Notched Izod Impact, ft-lb/in (J/m)	3.27 (174.5)	D256

Note: Traverse[®] XD1010 shrinkage is less than ABS.

Solegear encourages the recovery of Traverse[®] and Polysole[®] products

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

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^(*)Typical properties; not to be construed as specification limits