

Traverse[®] XD1020

Injection Molding Engineering Material

A formulation designed for cost-sensitive applications that still require a high level of impact resistance, XD1020 is a bio-based replacement for ABS and HIPS.

- 🔦 **Over 50% biobased**
- 🔦 **High impact resistance**
- 🔦 **Excellent durability**
- 🔦 **High stiffness and Strength**
- 🔦 **High ductility**
- 🔦 **Heat resistance up to 80 °C (175 °F)**

Typical Material Properties^(*)

Physical Properties	Traverse [®] XD1020	ASTM Method
Melt Flow Index (230 °C, 2.16 kg), g/10 min	8	D1238
Clarity	Opaque	
Mechanical Properties		
Ultimate Tensile Strength, psi (MPa)	4 600 (32)	D638
Tensile Modulus , psi (MPa)	119 000 (820)	
Tensile Elongation at yield, %	4.9	D638
Tensile Elongation at break, %	260	D638
Flexural Strength, psi (MPa)	7 250 (50)	D790
Flexural Modulus, psi (MPa)	286 000 (1 970)	D790
Notched Izod Impact, ft-lb/in (J/m)	1.2 (65)	D256
<i>Note: Traverse[®] XD1020 shrinkage is less than ABS.</i>		

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

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



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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