

Traverse[®] TF4000

Thermoforming Packaging Material with Enhanced Thermal Properties

Designed specifically for ISTA 2A test requirements, Traverse[®] TF4000 withstands overseas and warm climate shipping conditions, while also delivering more bio-based content than competitors. With superior impact resistance and excellent clarity, TF4000 is a drop-in material replacement for PET, recycled PET, PVC and PS.

- Superior durability & impact resistance
- Heat resistance at 55 °C (130 °F)
- Excellent clarity
- Higher rigidity and lower density than PET
- Readily supports deep draw designs

Typical Material Properties^(*)

Physical Properties	Traverse [®] TF4000	ASTM Method
Specific Gravity	1.21	D792
Haze, 18 mils, %	8	D1003
Luminous Transmittance, 18 mils, %	92	D1003
Mechanical Properties		
Ultimate Tensile Strength, psi (MPa)	8 700 (60)	D882
Tensile Modulus, psi (MPa)	480 000 (3 300)	D882
Elongation at yield, (at break) %	3.3 (8.2)	D882
Heat Distortion Temperature, °C (°F)	58 (137)	D648
Gardner Impact Resistance, 15 mils, MFE, in-lb (J)	11.5 (1.3)	D5420

Note: Traverse[®] TF4000 shrinkage is comparable to PET.

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