

# Polysole<sup>®</sup> TF2000

## Rigid Thermoforming Packaging Material

Designed for thermoformed packaging that demands high impact resistance with no loss of clarity, Polysole<sup>®</sup> TF2000 readily supports deep draw applications and is a drop-in material replacement for PET, recycled PET, PVC and PS.

- 🔸 **Over 95% biobased**
- 🔸 **High impact resistance**
- 🔸 **Highly transparent**
- 🔸 **Compostable in industrial facilities**
- 🔸 **Recyclable**
- 🔸 **Higher rigidity and lower density than PET**
- 🔸 **Readily supports deep draw designs**



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

Physical Properties	Polysole <sup>®</sup> TF2000	ASTM Method
Specific Gravity	1.24	D792
Haze, 18 mils, %	7	D1003
Luminous Transmittance, 18 mils, %	93	D1003
Mechanical Properties		
Ultimate Tensile Strength, psi (MPa)	8 200 (57)	D882
Tensile Modulus, psi (MPa)	390 000 (2 700)	D882
Elongation at yield, (at break) %	3.3 (8.4)	D882
Gardner Impact Resistance, 18 mils, MFE, lbf.in (J)	5.7 (0.64)	D5420
<i>Note: Polysole<sup>®</sup> TF2000 shrinkage is comparable to PET.</i>		

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

**Solegear's Polysole<sup>®</sup> bioplastics are engineered with the maximum possible bio-based content and no chemicals of concern. Polysole<sup>®</sup> is 100% recyclable and compostable where industrial facilities exist.**

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