

Polysole[®] TF2020

Die Cut & Folded Carton Rigid Packaging Material

With superior impact resistance and excellent clarity, Polysole[®] TF2020 delivers high fatigue resistance for living hinges. TF2020 is an excellent choice for fold/box forming packaging, coining and micro-perforation applications and is a drop-in material replacement for PET, recycled PET, PVC and PS.

Environmental Benefits

- 🔦 **90% biobased** according to ASTM D6866
- 🔦 **Reduced carbon footprint**
- 🔦 **Compostable** in industrial composting facilities
- 🔦 **Recyclable**
- 🔦 **Reduced energy consumption**
- 🔦 **Material reduction** due to lower density than its petroleum-based counterparts



Performance

- 🔦 **Excellent impact resistance**
- 🔦 **Highly transparent with excellent clarity**
- 🔦 **Excellent folding & bending performance**
- 🔦 **Higher rigidity and lower density than PET**

Processing

- 🔦 **No specialized production facilities required**
designed specifically to be dropped into existing extrusion and thermoforming facilities
- 🔦 **Lower processing temperature**
- 🔦 **Yield improvement** due to lower density and downgauging
- 🔦 **Designed for packaging applications**
 - Works with RF die-cutting, fold/box forming, coining and micro-perforation applications
 - Works with RF sealing, heat sealing and US welding
 - Drop-in replacement for PET, rPET, PVC and PS



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

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