

Teslin® Substrate and the Environment

Can Teslin® substrate be recycled?

Teslin® substrate is currently being recycled into general use bulk plastics such as plastic lumber, park benches, and industrial signs. Teslin® substrate is a highly filled polyolefin blend and is classified as a 7 according to the voluntary container-coding system (7 = other resins or multi-resin polymers).

Due to high filler loading and high molecular weight polymer matrix, Teslin® substrate requires a high intensity mixer such as a twin screw extruder for recycling with HDPE. To learn more about the specifics of recycling Teslin® substrate, contact PPG and/or conduct your own testing.

How can Teslin® substrate be disposed of properly?

Teslin® substrate can be safely disposed of in a landfill and will not leach into ground water. It can also be incinerated in an atmosphere of excess oxygen. When burned, Teslin® substrate yields water, CO₂, energy, and a clean ash due to its silica filler.