



Make the Switch to Safari Belting's Ultra-Tuff™ Resin

What is Ultra-Tuff™?

Ultra-Tuff products utilize an "eco-friendly" polymer whose backbone consists only of carbons. It is highly crystalline with a compact crystal structure resulting in excellent impact resistance, abrasion resistance and chemical resistance.

In comparison, this polymer offers mechanical properties similar to PBT, wear & friction performance better than POM and chemical / thermal resistance comparable to PA6. Like other semi-crystalline resins, the Ultra-Tuff products are easily enhanced with mineral fillers, reinforcing fibers, flame retardants, PTFE (as well as other lubricants) and custom colors.

The Ultra-Tuff base resin meets FDA and NSF requirements for food and potable water contact.

Safari Belting Systems, Inc. introduces Ultra-Tuff, its new, high performance conveyor belting resin. Ultra-Tuff products are molded with a revolutionary new resin whose unique performance profile, offers manufacturers and OEMs, across multiple industries, a new solution for tough applications.

The Ultra-Tuff resin has a lower glass transition temperature than POM, PBT and PA (6, 6/6, 6/12, 11 & 12). This lower Tg results in a high tensile elongation and a lower tensile modulus (at room temp.) and as a result, is replacing polyamides in applications where either impact modifiers are needed or where the parts must be moisture conditioned. In addition, the elongation and modulus contribute to exceptional cyclic fatigue resistance, both tensile and flexural.

Ultra-Tuff is solving conveyor design and application performance problems now, where moisture effects, impact resistance, coefficient of friction, heat resistance and chemical resistance are causing the traditional resins to be less than ideal.

Ultra-Tuff™ Available on the SF-225 Series

Safari Series 225 Modular Plastic Belting eliminates the need for tracking, vulcanizing, welding, splicing and tensioning. Fully sculpted radiused corners prevent pockets and sharp edges which can catch and hold debris. The smooth upper surface is closed with fully flush edges and recessed rods.

The Safari Series 225 is fully compatible with other industry proven 2" pitch belts. A variety of sprockets are also available.



- **2" Pitch**
- **Heavy Duty**
- **Styles include Flat Top, Dome Top & Mini-Rib**
- **Cam-Lobe open hinge allows unsurpassed cleaning access**



Direct, drop-in replacement for the Intralox 800 Series.

Conveying Innovation to Industry