

# Versylon™

The Really Tough Stuff  
from Miller Ingenuity.



## Temperature, Load, and Impact Tough.

### **Versylon is strong, hard and dense.**

That means components stand up to heavy impact loads. The unique strength and toughness of our special molded nylons result in parts that are both much more resistant to cold flow and creep than UHMW, and tough enough to survive in any railroad environment, hot or cold. AAR approved Versylon parts are currently being used by Railroads, Railcar Manufacturers, Leasing

Companies, Utilities and major Chemical Companies. You will save money in service because Versylon reduces wear and cold flow. You will save money upfront when you buy from the manufacturer - Miller Ingenuity.

**Versylon is the really tough  
stuff from Miller Ingenuity.**



# Versylon™

## Solid Experience.

In the last 30 years we have manufactured and sold hundreds of thousands of locomotive wear parts including Truck Pedestal Liners, Center Pivot and Bowl Lines, Coupler Carrier Wear Plates, and Brake Rigging Wear Plates. These and other critical parts have set new standards for toughness and durability in the most demanding railroad environments in North America and around the world. Versylon Impact-Modified 6/6 Nylon alloys have replaced carbon and manganese steels, cast and filled nylons, UHMW and other plastics, and bronze in applications that demanded:

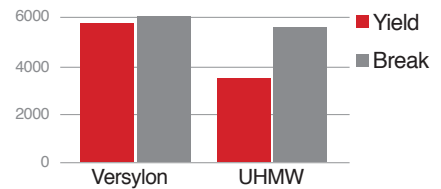
- Wear & Impact Resistance
- Cold Flow Resistance
- Cold Weather Toughness
- High Temperature Endurance
- Low Coefficient of Friction
- Reduced Weight
- Economy
- Weather Resistance



[www.milleringenuity.com](http://www.milleringenuity.com)

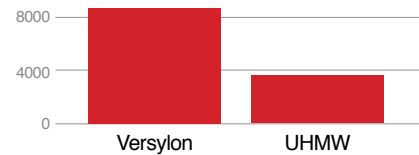
## Look at the Data

### TENSILE STRENGTH



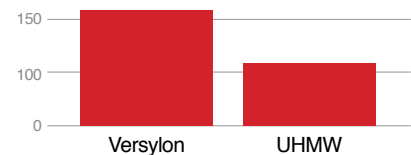
Versylon is strong enough to stand up to heavy loads in demanding railroad applications.

### SHEAR STRENGTH



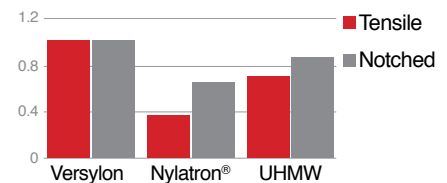
Tensile and shear strengths resist cold flow

### DEFLECTION TEMPERATURE AT 264 PSI



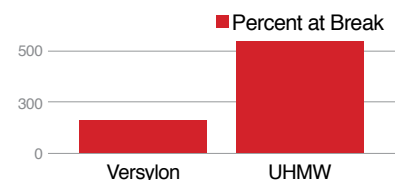
Versylon retains strength and toughness at elevated operating temperatures.

### IMPACT STRENGTH



Versylon solves the breakage problems experienced with ordinary molded, cast and filled nylons.

### ELONGATION



Versylon is for parts that aren't supposed to stretch, creep or flow.