



The IntegriTies™ DIFFERENCE

IntegriCo Composites ::

We're committed to revamping the rail future with composite rail ties built to last fifty years in track.

Our unique processing technology utilizes landfill-bound plastic to create railroad products that outperform others by the most important measure — long life in track.

Our install and maintenance record is the key to our success. With this track record, our rapidly expanding list of repeat customers will tell you that we consistently exceed expectations.

The IntegriCo Difference ::

Built to last: Our unique patented composite forming process provides superior strength, impact and crack resistance, durability, and requires no maintenance. And with our 10-year warranty, we stand behind our products.

IntegriCo Technology: Our formulation uses extremely tough cross-linked plastic material that cannot be processed by others. Our specialized, low-heat process preserves the properties of plastic that make it such a good raw material for railroad ties.

IntegriCo Made: All of our products are made in IntegriCo's own plant in Sarepta, Louisiana. Over 75 years of combined experience allow our manufacturing and quality experts to continually test, scale, and innovate high quality composite products that meet our customer's needs.

Contact Us:

:: Call or email to find out how we can keep your business moving:
Sales@IntegriCo.com
or **(503) 313-4308**.



How it's Made ::

We thoroughly inspect and test each delivery of incoming plastic. The plastic mixture is then fed into our patented equipment for processing and delivered into molds. Once removed from the mold, we inspect and measure each tie and test every lot to verify compliance with quality specifications.

IntegriCo's site and process are AAR M-1003 compliant and we use Statistical Process Control (SPC) to ensure that quality is integrated into the design and process of all our rail ties. We continually test our products to ensure the highest quality and superior performance.

Specifications ::

IntegriCo Composites' 100% recycled plastic tie does not contain creosote, chromated copper arsenate or rubber and meet or exceeds all technical properties recommended by the American Railway Engineers Maintenance-of-way Association (AREMA) Committee 30 for composite cross ties.

| Property | IntegriCo's All Plastic | AREMA Standards |
|---------------------------------|-------------------------|----------------------|
| Appearance | Matte Black / Dark Grey | n/a |
| Dimensions (in X in X in) | 7 X 9 X (102 or 108) | 7 X 9 X (102 or 108) |
| Weight (lbs) | 250-270 | 185-320 |
| Surface Hardness (lb/.25"ind) | 5,500 | n/a |
| Density (lbs/ft3) | 68-70 | n/a |
| Modulus of Elasticity, MOE(psi) | 240,000 | 170,000 |
| Modules of Rupture, MOR(psi) | 2,700 | 2000 |
| Compressive MOE(psi) | 38,000 | n/a |
| Rail Seat Compression (psi) | 2,300 | 900 |
| Spike Insertion (lbs) | 6,800 | n/a |
| Screw Spike Pullout (lbs) | 16,500 | n/a |
| Spike Pullout | 3,200 | 1,900 |
| Spike Lateral Resistance | 2,500 | n/a |
| CTE (in/in/F) | 7x10-5 | 7.5x10-5 |
| Composition | 100% Recycled Plastic | n/a |
| Life Expectancy | 50 Years | n/a |