

**Intelligent Additive Solutions  
for Wood and Natural Fiber  
Composites**



## Wood Composite Plastic Additives

Struktol Intelligent Additive Solutions make Wood Plastic Composites (WPC) process easier and that means more efficient manufacturing operations and stronger, more durable products. Our additives are designed to provide excellent blending and dispersion, as well as lubricating process enhancements for the manufacturer. In some cases, they act as compatibilizers or alloying agents while providing excellent surface finish and mold release.

Regardless of your base polymer, or type of wood or natural fiber being used, Struktol has a WPC additive for your compound. Whether you are directly extruding a profile on a twin-screw compounder or if you are compounding and then injection molding, our Intelligent Additive Solutions are designed to maximize real economic and manufacturing benefits for the processor.

### Typical WPC Additive Benefits:

- Improved wood/fiber dispersion with a polymer rich surface
- More balanced flow across the die
- Elimination of edge tearing
- Measurable output rate increases
- Reduced running torques and temperatures

### Depend on Struktol Additives for:

- Superior viscosity control
- Improved metal release
- Reduced friction, plate out
- Improved mixing and uniform filler dispersion
- Improved pigment dispersion
- Decreased mixing times and energy
- Greater impact resistance
- Lower scrap rates

### Depend on Struktol for:

- Outstanding customer and technical services
- State-of-the-art laboratory testing capabilities
- Custom product development

### Engineered Products for Wood and Natural Fiber Applications

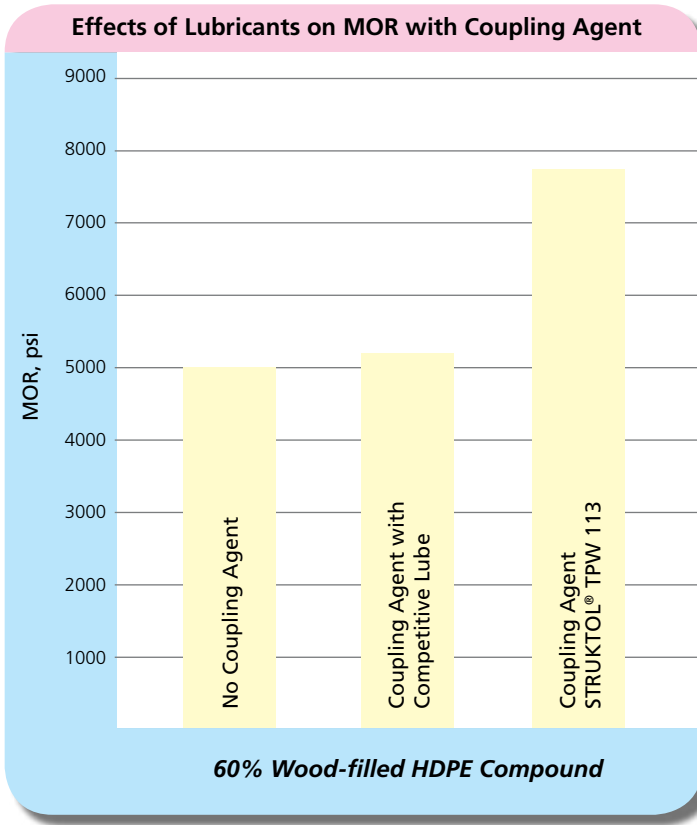
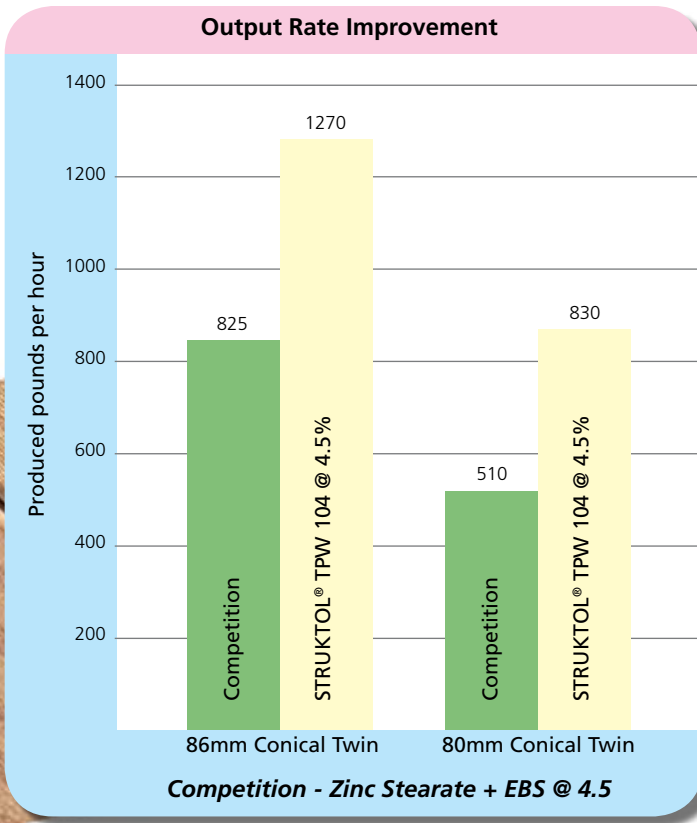
Application	PP/PE	PVC	ABS	PS
Injection Molding	TPW 104 TR 016 TR 251	TPW 012 TR 251 VC-100	TR 041 TR 251	TR 041 TR 071
Extrusion	TPW 104 TR 016 TR 251	TPW 012 TR 251 VC-100	TR 041 TR 251	TR 060 TR 071
With Coupling Agents	TPW 113 TPW 709	TPW 113 TPW 709	TPW 113 TPW 709	TPW 113 TPW 709

Struktol is continually developing new and better products for the wood and natural fiber composites industry. If our current products are not ideal for your application, we can design unique, custom products to meet your processing and field service requirements. Struktol can provide easy handling product in the packaging you require – from polyethylene bags to gaylords to super sacks.

***At Struktol, we've built a reputation for unique, dynamic and cost-effective solutions.***

***Let us help your business open a world of new opportunities.***

***Call us today at [330-928-5188](tel:330-928-5188) or visit us on the web at [www.4struktol.com](http://www.4struktol.com).***



**struktol** Wood Plastic Composites

**struktol** Coupling Agents (MFC) Market

**New Engineering Products for Wood-Filled Applications**

Our Intelligent Additive Solutions will improve the overall processing characteristics of your wood fiber and natural fiber filled compounds through enhanced lubricating and flow enhancing characteristics.

Benefits you will realize:

- Increased extruder throughput with a potential risk-reduced
- More consistent flow across the die
- Elimination of edge tearing
- Measurable impact cost-reduction
- Reduced turning torque and temperatures

Application	PE	PP	PVC	ABS	PS
Extrusion	796,200	796,200	796,210	76,241	76,241
Injection Molding	79,224	79,224	79,224	76,241	76,241
Blow Molding	79,224	79,224	79,224	76,241	76,241
Extrusion	796,200	796,200	796,210	76,241	76,241
Injection Molding	79,224	79,224	79,224	76,241	76,241
Blow Molding	79,224	79,224	79,224	76,241	76,241
With Coupling Agents	796,110	796,110	796,110	76,110	76,110
Without Coupling Agents	796,300	796,300	796,300	76,300	76,300
Others	796,200	796,200	796,210	76,241	76,241

**STRUKTOL® ADDITIVES FOR WOOD-FILLED APPLICATIONS**

**TECHNICAL DATA SHEETS**

STRUKTOL® TPW 104 (Coupling Agent)

STRUKTOL® TPW 113 (Coupling Agent)

STRUKTOL® TPW 112 (Coupling Agent)

STRUKTOL® TPW 111 (Coupling Agent)

STRUKTOL® TPW 110 (Coupling Agent)

STRUKTOL® TPW 109 (Coupling Agent)

STRUKTOL® TPW 108 (Coupling Agent)

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STRUKTOL® TPW 4 (Coupling Agent)

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STRUKTOL® TPW 2 (Coupling Agent)

STRUKTOL® TPW 1 (Coupling Agent)

### Struktol on the Web

Learning more about Struktol products and services couldn't be easier! The Struktol website, [www.4struktol.com](http://www.4struktol.com), contains a wealth of product information including:

- Technical data sheets
- Comprehensive laboratory reports
- General recommendations and product overviews
- Industry presentations
- Global distribution contacts
- Sample and MSDS requests

Call **330-928-5188** today and ask for our technical sales staff or email [woodadditives@struktol.com](mailto:woodadditives@struktol.com) for more information.

## Struktol Company of America

Struktol Company of America is a member of the Schill & Seilacher family of companies, with representation in over 100 countries around the world. A global organization with over a century of specialty chemical expertise, Schill & Seilacher markets most of their polymer processing products under the brand name STRUKTOL® – a name that has become synonymous with both quality and performance. Struktol manufactures chemicals for the plastics and rubber industry, foam inhibitors, polydispersions, silicone emulsions, products used in latex processing, and POLYDIS®, a line of epoxy prepolymers and flame retardants.

The Struktol approach to the rubber and plastic additives business is by no means typical or ordinary. Chemistry is at the heart of everything we do. Providing Intelligent Additive Solutions, Struktol products are designed to meet the challenges and exacting demands of our customers. Our technical specialists, R&D chemists and compound laboratory are dedicated to creating innovative solutions for the ever-changing polymer industry – solutions that keep you ahead of your competition with increased productivity, better quality parts and lower overall cost. In addition to premium product performance, Struktol Customer Service initiatives have become the industry benchmark.



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