



Producers of Specialty Chemicals

Struktol Company of America

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Struktol Company of America Additive Line for Recycled Plastic Compounds

*New and Existing Products Improve Processing Characteristics
For Compounding, Molding, and Extrusion*

STOW, Ohio, - Struktol Company of America, a leading global supplier of polymer additives, has developed unique process additives for reclaimed/recycled plastics and for polymer compounds that contain recycled content. Struktol will highlight these materials at the **K 2016** exhibition Oct. 19-26 in Düsseldorf, Germany at Hall 06/A23 which is being shared with European distributor, VELOX GmbH.

These products are useful in a variety of different resin systems from polyolefins to engineered plastics, offering greater processing efficiency and enhanced performance. They are targeted for compounds containing 100% recycled material or materials with varying levels of post-consumer or post-industrial recycled content.



For engineering plastics, Struktol offers multiple products that combine a compatibilizer with lubricants to create a combination product that aids in the incorporation of fillers (mineral or glass) with improved mixing and flow properties as well as mold release. These products result in better processing, improved surface quality, and in some cases, better physical properties.

Among the new products, STRUKTOL[®] TR 229 is for use in both polycarbonate (PC) and PC/acrylonitrile-butadiene-styrene (ABS) blends as well as nylon 6 and 6,6 compounds. It can be used in FDA-approved applications and is also ideal for use in recycled applications. Struktol also introduced STRUKTOL[®] TR 219 for use in nylon 6 and 6,6 compounds. It has been found to be effective in polyester (PET and PBT) compounds, especially recycled or recyclate-containing applications or in cases where the polyester compound is contaminated with other plastics.

Struktol also has additions to its line of additive products for recycled polypropylene. STRUKTOL[®] RP 38 is a new, multi-functional package that incorporates vis-breaking technology with lubricant and odor control. It provides for significant viscosity reduction at low

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*Our Quality Management System has
ISO 9001:2008 with Design Certification*

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loading levels. The lubricant base provides improved processing characteristics in both compounding extrusion, as well as increased mold flow and metal release for the molder. The odor control portion of the product aids in reducing odors associated with the recycled polymer during and post processing. STRUKTOL® RP 37 is designed to provide unmatched viscosity modification and lubrication in recycled PP compounds and resins that contain high levels of polyethylene contaminants. STRUKTOL® RP 11 is a unique lubricant package that provides an unmatched combination of viscosity reduction and mold release characteristics for recycled PP resins and compounds. Loading levels as low as 0.2% result in increased melt flow and allow for significant improvements in mold filling and release. Processors using RP 11 will benefit from its versatility; allowing greater use of regrind or recycled content material without sacrificing certain properties or performance. In addition, STRUKTOL® RP 06 provides similar viscosity modification and mold release combined with low odor and volatiles that are ideal in automotive applications. This series of products can be tailor-made to fit the requirements of the recycle compounder, resulting in a unique additive designed to fit the application.

STRUKTOL® RP 17, a combination lubricant and odor neutralizing mask, was originally designed for reducing/eliminating compounding and end-product odors in wood-filled plastic compounds. The product has been modified for use in a variety of polymer resins and compounds that require the multi-functionality of lubrication, mold release, and odor reduction. RP 17 can be used in recycled applications as well as automotive interior compounds where neutral odor may be a requirement. In addition to this product, Struktol is doing custom product design around odor and volatile reduction in a variety of resin types.

STRUKTOL® TR 052 is a compatibilizer and blending aid that is extremely beneficial for incorporation of regrind/recycled product in a wide range of polymers. Processors can realize improved physical properties and overall improved processability of compounds requiring some level of recycled content. TR 052 has been shown to significantly improve the processability and performance of mixed recycled streams used when separation of the resins is not done prior. The additive compatibilizes dissimilar polymer systems allowing for expanded use of these mixed recycled streams.

Please visit us at **K2016**, Hall 06 / A23. We are exhibiting with our European distributor, VELOX GmbH.

For more information on these and other Struktol Intelligent Additive Solutions, visit www.4struktol.com, call (330) 928-5188, or email plastics@struktol.com.

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About 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, their polymer processing products are marketed under the brand name STRUKTOL® - chemicals and functional processing additives for the rubber and plastic industries including WPC, polyolefin, PVC and engineering plastics. For more information, call (800) 327-8649 or (330) 928-5188 or visit www.struktol.com.