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New MoldWiz Process Additive from AXEL Improves Throughput For Masterbatchers

AXEL Plastic Research Laboratories, reports that its new process additive, INT-40DHT, has demonstrated significant process gains for resin compounders and pigment masterbatchers.

In a recent evaluation, MoldWiz INT-40DHT was credited with improving processing throughput of a 75% filled TPO by 48%. "When resin, pigment or filler is treated with INT-40DHT, it is possible to produce more material in less time with no increased energy requirements," says Glenn Pfister, Senior Technical Support Representative for AXEL. Pfister points out that just 0.45% of the AXEL additive can ease processing and facilitate much higher loading levels of mineral fillers. In the same evaluation, resin processed with INT-40DHT demonstrated 60% less screen pack residue as compared to resin batches that employed no additive.

Capillary rheometer tests in a separate evaluation of INT-40DHT in a talc filled polysulfone indicate that the MoldWiz additive reduces viscosity 25% at all processing rates from 10 -1000 rpm.

INT-40DHT is a proprietary formulation comprised of saturated and unsaturated fatty esters and modified organic acid derivatives which meet the requirements of 21CFR 175.300, making the additive suitable for use in compounds which have food contact. The MoldWiz product is available as a 100% active powder or pellet. According to the manufacturer, INT-40DHT can be an excellent adjunct to achieving optical properties or added brightness.

AXEL Plastics Research Laboratories has manufactured mold releases and process aid additives for 60 years. The company offers hundreds of application and resin specific mold releases and process aid additives and will custom formulate to meet specific needs. All AXEL products are formulated from raw materials which comply with the chemical substance inventory lists of TOSCA, DSL, MITI, EINECS, Australia, & Korea. With a network of 32 stocking distributors and technical support in 26 countries around the world, AXEL encourages requests for evaluation samples by visiting the AXEL/ MoldWiz website at www.axelplastics.com.

For further information on MoldWiz INT-40DHT, or other AXEL mold releases or process aid additives, please contact Nancy Teufel at AXEL, Box 77 0855, Woodside, NY 11377. Call toll free: 800-332-AXEL (2935) or 718-672-8300. E-mail: info@axelplast.com.