

FOR IMMEDIATE RELEASE

New XTEND W-3201 for Rubber Auto Seals Prevent Bonding To the Mold Along With Excessive Build-Up

XTEND W-3201 semi-permanent release from Axel Plastics Research Laboratories, Inc. is specialty formulated for hi-nitrile butadiene rubber (HNBR) as a low friction, 87 durometer rating automotive seal that allows easy release from the mold with minimal flash residue.

Prior to using XTEND W-3201, the automotive seal producer relied on a fluoropolymer-based mold release. The HNBR bonded tenaciously to the steel molds and required four steps to complete: (1) spraying on a heavy coat of release; (2) molding one part which would stick; (3) wet sanding the mold; (4) applying more release before continuing to mold the seals. As a result of the fluoropolymer release being applied heavily for each cycle, the molds turned white from excessive release buildup.

With the new XTEND W-3201, first one coat of release is sprayed on a clean mold, and it is allowed to dry slightly; secondly, polishing is done with a soft cloth. After repeating this same procedure three to four times and allowing 10-15 minutes between application for drying and curing at 86°F/30°C, the molds are ready to go into production.

After a six-minute pressing cycle the parts actually fall out of the mold, and the flash residue is released by simply blowing it off. According to company officials, "this is unprecedented in this company's experience with the HNBR recipe."

Glenn Pfister, Axel's Senior Technical Customer Support, states, "Our custom XTEND formula offers a multiple, clean release and it reduces labor and improves production for this auto seal product line. In addition, the XTEND W-3201 release is credited with producing parts that have an excellent, consistent gloss rather than a spotty, dull finish."

All Axel products are formulated from raw materials, which comply with the chemical substances and inventory lists of EINECS, TSCA, DSL, MITI, Australia and Korea. Axel manufactures hundreds of process-specific internal and external release agents for thermoplastic and thermoset resins and a variety of elastomers. The company has a global network of technical representatives and distributors and a website at <http://www.axelplastics.com> where evaluation samples can be requested.

For further case histories, technical information, data sheets, or the name of a representative in your areas, please contact Nancy Teufel at Axel Plastics Research Laboratories, Inc., Box 77 0855, Woodside, New York 11377 (USA), Toll Free (USA & Canada) 800-332-2935 or 718-672-8300, E-mail: info@axelplast.com.