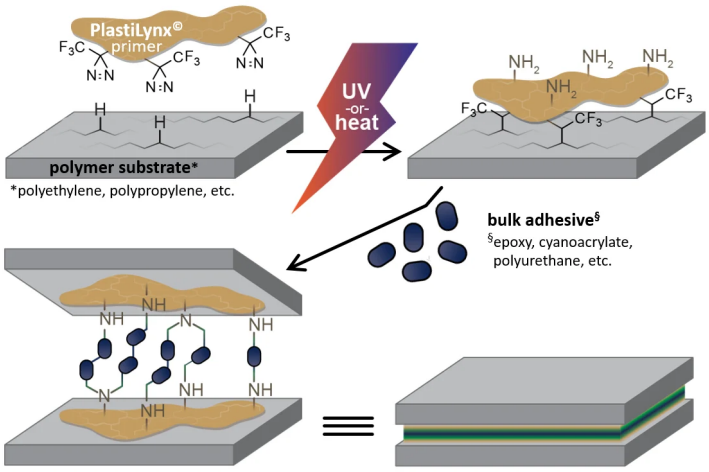
XLYNX
MAKE IT STRONGER

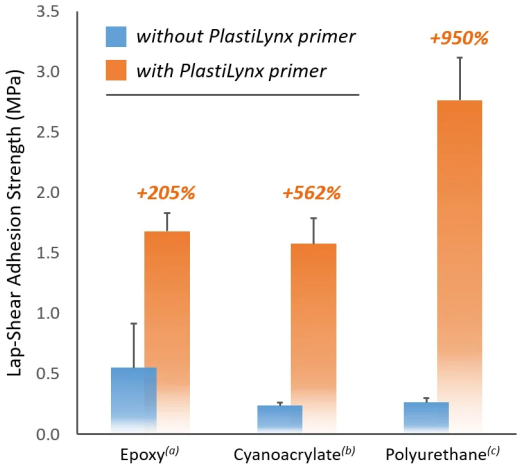
Making Connections: Redefining how polymers are used through innovative primers and adhesives

With their new line of novel diazirine-based reagents, XlynX is helping industry overcome long-standing material limitations and manufacturing challenges associated with low-surface-energy polymer materials and textiles

A: Use of PlastiLynx as a Surface-Activating Primer for the Enhancement of Bonding in Low Surface Energy Commodity Plastics



B: Effect of PlastiLynx Primer on Bonding Strength of Commercial Adhesives, for HDPE–HDPE Lap Joints



Read our new feature article on the Adhesives & Sealants Industry (ASI) website (www.adhesivesmag.com)

Diazirine-Based Adhesives and Primers Facilitate Bonding to Low-Surface-Energy Plastics

A new suite of reagents enables bonding of low-surface-energy materials by employing a novel mechanism achieved by using diazirine groups.

Low-surface-energy plastics are ubiquitous in modern society. Various forms of polyethylene (including LDPE, LLDPE, HDPE, UHMWPE, PEX, etc.) and polypropylene (BOPP and CPP) together constitute the most abundantly produced polyolefins on Earth, and these polymers are highly valued for their combination of good mechanical strength, low density, and—most importantly—low cost. As a result, they are used in everything from automotive manufacturing and construction to consumer products, surgical implants, and product packaging. Unfortunately, adhesive bonding of these low-surface-energy materials remains a significant challenge.

Read more

For more information:

Visit us online

XlynX Product Line of Diazirine Crosslinkers

PlastiLynx Technical Datasheet

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Visit us at www.xlynxmaterials.com