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Dymax[®] Oligomers & Coatings Introduces New Mech^T E35A for ESD 3D Resins

Combines Mechnano Conductive Carbon Nanotube Masterbatch with BR-952 Oligomer

Torrington, Connecticut – June 8, 2021... [Dymax Oligomers and Coatings](#), a division of Dymax, and Mechnano unveil Mech^T E35A, a stable dispersion of Mech^T discrete functionalized carbon nanotubes in Dymax's urethane dimethacrylate (UDMA), BR-952.

Mech^T E35A can be used in rigid, high tensile strength SLA, DLP, or jettable 3D printing resins to provide conductivity and decreased surface resistivity to the printed part. When compared to FDM-printed ESD parts, ESD resins produced with Mech^T E35A can achieve fully isotropic conductivity with high resolution and isotropic mechanical properties. Mech^T E35A is capable of achieving 10^4 - 10^9 Ω /sq resistivity, provides carbon content with no carbon trails, and is an easy addition to a formula without high shear mixing. Additional applications include low surface resistivity or conductive printing and application requiring high adhesion.

Mechnano is the pioneer of a new carbon nanotube technology designed to improve additive manufacturing (AM) material performance. By harnessing and uniformly distributing carbon nanotubes (CNTs), Mechnano unleashes higher-performing materials with advanced material properties. Additionally, Mechnano's extraordinary functionalizations, known as Mech^T, make unheard of material properties a reality. Mechnano is strategically focused on helping formulators create revolutionary materials to empower engineers to maximize their designs and products. Mechnano's 100+ patents, leading nano-technology and dedication to excellence enables us to provide the highest quality products to our customers.

For additional information on Mechnano visit the website at <https://mechnano.com> or contact them at info@mechnano.com

Dymax Corporation develops innovative oligomer, adhesive, coating, dispensing, and light-curing systems for applications in a wide range of markets. The company's products are perfectly matched to work seamlessly with each other, providing design engineers with tools to dramatically improve manufacturing efficiency and reduce costs. Major markets include aerospace, appliance, automotive, cosmetics, electronics, industrial, medical device, metal finishing, and UV-curable inks & coatings.



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A static dissipative tweezer fabricated using a 3D resin made from Mech^T E35A