

Visit www.neptco.com for more information, free samples, technical support and literature, or contact us to speak directly with a NEPTCO engineer about your unique product requirements. For the right backing, great chemistry, and comprehensive manufacturing capabilities, choose NEPTCO.



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LAMINATING

Web Widths: up to 1524 mm (60")
Substrate Thickness: 6.4µm - 279.4µm
Number of Plies: up to 6
Typical Materials: aluminum and copper foil, polyester, polyethylene, polypropylene and Kapton® films, Nomex®, Teflon®, paper, non-wovens, others
Additional Treatments: slitting to 1.2 mm (3/64"), letterpress and flexographic printing, footage/meter marking, roll winding or traverse spooling, custom packaging.

CUSTOM COATING

Typical Functions: heat sealing, lubricating, conductive, anti-static, flame retardant, colored, UV resistant, releasable, water blocking, and others
Chemistries: solvent based, water-based, thermoplastic, thermoset
Coating Methods: gravure, slot die, flexographic
Coating Coverage: blanket, patterned, zoned (striping)
Coating Thickness: up to 63.5 µm
Coating Accuracy: up to +/- 0.2 µm (0.000008")



5M NEPTCO 3450 - 5/02



CUSTOM COATING & LAMINATING SERVICES



CUSTOM COATING

It All Starts With Good Chemistry

At NEPTCO, chemistry is key. We've been developing and manufacturing custom-engineered laminated and coated materials for half a century. In fact, good chemistry is more than knowing the properties, composition and reactive potential of the materials we formulate. Good chemistry is about partnering with our customers in a way that produces faster solutions in the most cost effective manner.

NEPTCO has the in-house resources and facilities to simulate many application environments. Our state-of-the-art laboratory houses the latest equipment used in the chemical and mechanical evaluation of adhesives and coated film, and our technical staff often works directly with customers to ensure our products meet their unique requirements. For example, we recently invested in a high-speed silicon wafer dicing saw and wafer mounting station. So when we develop a material for one of our semiconductor customers, we know it's going to work – and so do they. That's because we've tested and proven it in the lab, and often the customer has been involved every step of the way. That's more than good chemistry, it's good business.

At NEPTCO, we believe the shortest distance between product development and customers is a straight line. That's why our research and development team reports directly to marketing – an arrangement that is both unique and highly effective. Our account managers communicate customer needs directly to R&D so nothing is ever lost in the translation. That means we can get your products to market in the shortest product commercialization cycle time.



And Finishes With Outstanding Product Performance

NEPTCO specializes in the formulation of a variety of polymeric coatings, and laminates of films, foils, fibers, composites, papers, and non-wovens, as well as custom adhesives. Hundreds of production personnel operate the industry's most advanced process equipment in four manufacturing facilities, strategically located to provide the shortest lead times and efficient global distribution.

Whether you require EMI/RFI shielding or conductivity, lubrication or ESD protection, NEPTCO has you covered. Our capabilities are diverse, and limited only by the imagination of our process and design engineers.

We've just added a new tandem coating line to our growing list of streamlined production equipment. In addition to reducing conversion time, this breakthrough technology also enables us to accommodate larger, more complex jobs.



Our strides in efficiency are surpassed only by our commitment to delivering reliable, high quality products. Our dedication to statistical process control (SPC) and on-line process monitoring such as beta thickness gauging insures consistent product quality. State-of-the-art digital laminators and coaters accurately maintain machine speed and web tensions, reducing process variations. At NEPTCO, we're not just faster to market, we're consistent — and your product will perform more reliably as a result.



Our facilities are equipped with the latest development and testing devices including a rheometer, gas chromatographs, infrared spectrophotometers, thermal mechanical analyzers, and laser micrometers, among others.

A Coating Is Only As Good As Its Backing...

When you specify NEPTCO laminating and coating services, you'll get backing from the very best. With NEPTCO, you get support from a team of highly focused engineers, chemists, and coating professionals. You also get the production power of four ISO 9002-certified manufacturing plants, the distribution capabilities of a global supplier, and the expertise of a company that has 50 years in the business. That's the kind of backing that has captured the loyalty and confidence of leading manufacturers the world over for five decades. Major players in the semiconductor market and wire and cable industry rely on NEPTCO's custom-engineered materials to deliver value-added performance to their products and the industries they serve. You can rely on us too. Contact NEPTCO today for a customized solution.