



Dow Electrical & Telecommunications

Quality Materials Matter. Manufacturing and Handling Practices for Reliable Cables.



Dow Electrical & Telecommunications

Choose DOW ENDURANCE™

We understand that the materials handling process is just as important as how we make our products. When you select DOW ENDURANCE compounds you can be confident that the materials have been produced and handled with industry-leading methods and systems employed at all of our global manufacturing facilities. This helps ensure that from production to the unloading of materials into the cable extruder there's minimum risk of contamination.

The art of cleanliness

Our years of experience in materials manufacturing, coupled with our aggressive, innovative focus on testing and validation has allowed us to perfect the "art of cleanliness." At Dow Electrical & Telecommunications (Dow E&T) we are acutely aware that our clean production and handling systems are vital to delivering materials that enable you to provide your customers with longevity and reliability they can count on over the lifetime of the cable.



Manufacturing

Our contaminant-free practices begin in our raw materials transfer process, with feedstocks delivered to our global manufacturing operations. We've mandated a stringent Raw Materials Quality Program to help ensure that raw materials coming in from all sources are clean and consistent. Throughout our manufacturing process all lines are fully enclosed and products are processed in integrated, continuous steps; from raw materials to the final compounds. We employ dedicated extrusion processes and operate control rooms where technicians closely monitor the resin compounding process to ensure final compounds are ready for packaging.



Testing

To ensure that all materials meet our stringent requirements for cleanliness and quality, continuous testing for particle, moisture and other raw material content is performed throughout the compounding process.



In addition to on-site testing, Dow E&T provides technical support from formulation through installation. Our Technology and Materials Processing Skill Centers around the world have the scientists, engineers, equipment and expertise to provide a high level of customer-focused technology, testing, training and troubleshooting services.



Packaging and shipping

Customer-specific packaging is loaded in fully enclosed, controlled-environment cleanrooms, ensuring all products are clean and free of contaminants. After leaving the cleanrooms, these containers are robotically sealed and moved to temperature-controlled warehouses to await order fulfillment.



As orders are filled, the containers are loaded onto trucks for shipment and final delivery to customers. For larger orders, where intermodal bulk containers or rail cars are used to ship product, loading processes take place inside areas specifically designed for bulk container loading.



Depending on the shipping method, requirements may dictate use of specific loading techniques including installation of plastic interior liners, utilization of fully enclosed loading environments, automated loading processes or use of totally sealed filling pipes.



Customer receiving

We know that the focus on cleanliness doesn't stop once our products are shipped. That's why we've developed specific packaging to meet our customer's needs during the receiving and unloading process. This packaging is designed to ensure that our compounds remain contaminant free from the time they arrive at our customers' facilities until they are extruded into finished cables.



Material handling and unloading options designed to fit your needs.

Dow E&T has developed distinct systems for clean handling and unloading of our products at our customers' facilities. Please visit dow.com/electrical to find information on packaging options and material handling/unloading instructions.

Building relationships by earning your confidence

Over the last six decades Dow E&T has been earning the confidence of customers and the power industry worldwide by providing products that continue to set and exceed standards for reliability, consistency, cleanliness and quality.

Understanding that good relationships are essential to success, we are continuing to work with cable makers, utilities and other organizations around the globe to develop solutions that efficiently and reliably help keep the lights on and help people stay connected.

Combining our strengths with the resources of The Dow Chemical Company, we are committed to bringing knowledge, innovation and successful solutions to every relationship.



About Dow Electrical & Telecommunications

Dow E&T, a business unit of The Dow Chemical Company ("Dow"), is a leading global provider of products, technology, solutions and knowledge that sets standards for reliability, longevity, efficiency, ease of installation and protection that the power and telecommunications industries can count on in the transmission, distribution and consumption of power, voice and data. Understanding that collaboration is essential to success, Dow E&T works together with cable makers, other industry suppliers, utilities, municipalities, testing institutes and other organizations around the world to help develop solutions and create mutual value that will sustain these industries for years to come. For more information, visit dow.com/electrical.

Dow Electrical & Telecommunications

Houston Dow Center
1254 Enclave Parkway
Houston, TX 77077
USA

US

Toll Free 800 441 4DOW
989 832 1542

International

Europe / Middle East + 800 36 94 63 67
Italy + 800 783 825
Asia / Pacific + 800 77 76 77 76
+ 60 37 958 3392
South Africa + 800 99 5078

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