

FOR IMMEDIATE RELEASE

DUNMORE Releases DUN-SOLAR™ 1700 TAPE, an Improved Thin Film Photovoltaic Barrier Product Used in Solar Module Manufacturing

DUNMORE Corporation releases its new SOLAR™ 1700 TAPE Thin Film Photovoltaic Barrier product that makes solar cell manufacturing faster and easier, resulting in a lower cost-per-watt module.

Bristol, PA ([PRWEB](#)) Sept 1, 2009 – DUNMORE Corporation announces the release of a new [DUN-SOLAR™ Thin Film photovoltaic \(PV\) barrier product](#) for thin film PV cell replacement. The new backsheet, DUN-SOLAR™ 1700 TAPE (Tedlar®, Aluminum, Polyester and Polyethylene), a four-layer construction), is in full production and available for use in [thin film photovoltaic solar cell manufacturing](#). A solar cell is the critical component in a [solar module](#).

Although other photovoltaic modules currently offer higher efficiencies, lower manufacturing costs make the thin film PV cells made with DUN-SOLAR™ 1700 TAPE more economical. The efficiencies of thin film PV cells are expected to increase as renewable energy continues to be a global focal point. Also, solar modules using the new thin film technology are flexible - able to conform to curved surfaces - unlike rigid predecessors that utilize a glass front panel. This new flexible thin film PV technology, with its lower cost-per-watt thin film PV cell, is used in modules made from:

- Copper indium gallium selenide (CIGS)
- Amorphous silicon (a-Si)
- Cadmium telluride (CdTe)



Flexible thin film solar module
Photo Courtesy of DOE/NREL

“DUN-SOLAR™ 1700 TAPE is our new thin film photovoltaic backsheet product that effectively creates a high vapor barrier measuring at less than 0.5 mg / square meters per day to protect the thin film technology while remaining economically viable,” stated Robin Kobren, Photovoltaic Team Leader at DUNMORE, “while at the same time bonding to a new breed of low Moisture Vapor Transmission Rate (MVTR) encapsulants like the DNP Thermoplastic to, in a sense, hermetically seal in the cells. Not an easy task, but our DUN-SOLAR™ 1700 TAPE can do both!”

DUNMORE's Full Line of Protective Backsheets

In addition to the new DUN-SOLAR™ 1700 TAPE, DUNMORE offers a full line of [protective backsheets products that are used in solar module manufacturing](#). These products now ready for full scale photovoltaic projects and can be ordered through either the US or European facilities of DUNMORE.

DUNMORE has just received UL recognition for DUNMORE DUN-SOLAR™ 1100 FPE, its fluorinated polyester backsheet for c-Si modules. This 290 micron film laminate provides excellent weatherability and dielectric performance in a PET film with a fluorinated surface construction.

DUNMORE has been producing metallized, coated and laminated films for use in the aerospace, cryogenic and insulation industries for more than 30 years. It began producing [photovoltaic film backsheet products](#) three years ago at its German (Freiburg) and US plants. It currently offers a wide array of UL and TUV-certified products for the photovoltaic industry.

About DUNMORE



DUNMORE Corporation is one of the world's top [film converters](#) and a leader in [thin film photovoltaics](#). DUNMORE also produces coated film, metallized film and laminated film substrates for the graphic arts, packaging, aerospace, insulation, surfacing and fashion industries. DUNMORE offers film conversion services such as coating, metallizing and laminating along with contract film manufacturing. DUNMORE is privately held and ISO 9001-2000 registered.

For complete information on DUNMORE's new line of DUN-SOLAR™ Thin Film Photovoltaic products, please visit DUNMORE's website <http://www.dunmore.com/> or contact:

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