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DUNMORE Aerospace Materials Protect GPM Core Observatory

First weather observatory to compile global data sets new standard for meteorology with equipment protected by DUNMORE electro-static dissipative (ESD) film.

Bristol, Pa., February 27, 2014 – DUNMORE Corporation is protecting mission critical payload instruments carried aboard the Global Precipitation Measurement (GPM) Core Observatory. NASA and the Japanese Aerospace Exploration Agency (JAXA) launched GPM this afternoon from Tanegashima Space Center, Japan.

The GPM mission will gather worldwide precipitation data every 2-3 hours, and will be a valuable tool to better predict major weather events. Aggregating its own measurements with data collected with the existing network of partner satellites from United States, Japan, France, India, and Europe, the observatory creates unprecedented global dataset and advances the study of Earth's hydrologic cycle.

The GPM Core Observatory carries onboard a Microwave Imager (GMI) and a Dual-Frequency Precipitation Radar (DPR), both of which are protected during manufacture and transport by DUNMORE's electro-static dissipative (ESD) materials. Static and triboelectric charges pose a significant threat to sensitive electronic components. This hazard is amplified in aerospace applications because failure in the field is catastrophic. It's with this in mind that DUNMORE engineered its ESD films (<http://www.dunmore.com/products/esd-protection-film.html>) to exceed standard bodies testing requirements for outgassing, NVR, ESD, cleanliness, hypergol compatibility and static decay.

DUNMORE's expertise in engineered films for aerospace dates back nearly 30 years with flight qualified multi-layer insulation (MLI) films. DUNMORE materials are at work on the Hubble Space Telescope (HST), the International Space Station (ISS) and multiple NASA missions including LADEE and MAVEN. DUNMORE is also supplying MLI materials to the Mars Science Laboratory "Curiosity" mission.



Engineers testing the GPM spacecraft at Goddard Space Flight Center.

About DUNMORE

DUNMORE Corporation is a global supplier of engineered coated and laminated films. DUNMORE offers film conversion services, such as coating, metallizing and laminating along with contract film manufacturing. DUNMORE produces coated film, metallized film and laminating film substrates for the aerospace, photovoltaic, graphic arts, packaging, insulation, surfacing and fashion industries. DUNMORE is privately held, ISO 9001:2008 and OSHA VPP Star certified. For complete information on DUNMORE's products, services and industries served, please visit DUNMORE's website <http://www.dunmore.com>.

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