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PRESS RELEASE

MacDermid Alpha Announces Release of STAYDRY® Z20: Moisture Getter Film

(Waterbury, CT USA) – January 24, 2020 – MacDermid Alpha Electronics Solutions, a world leader in the production of innovative materials used in semiconductor, circuitry, and electronics assembly announces the release of STAYDRY® Z20 – Moisture Getter for hermetic packages. STAYDRY Z20 is a silicone film moisture getter with a newly developed proprietary backing adhesive that meets rigid outgassing and adhesion testing for aerospace, telecom and medical applications, meeting MIL-STD-883K, Method 5011.6.

STAYDRY Z20 is an extension of the existing STAYDRY product line, which has been providing unique moisture, hydrogen and particle absorber solutions for over twenty years. STAYDRY Z20 employs a space grade silicone polymer, allowing almost instantaneous transmission of water into the active desiccant matrix dispersed within the polymer. The active desiccant allows a high percentage of water to be absorbed and subsequently trapped inside the silicone matrix for increased reliability of hermetic packages.

The newly developed backing PSA (Pressure Sensitive Adhesive) offers customers easier and faster attach within a few seconds, eliminating the need for additional dispense adhesive process, time and equipment common with most materials. This also allows greater design flexibility as the getter does not have to be placed on the inside lid on a hermetic package. The STAYDRY Z20 film adheres to most substrates, including metals, plastic and glass. STAYDRY Z20 is also available in our newly developed “Easy Peel” form for custom preform size applications, supporting operator efficiency in clean room manufacturing environments.

Michael Previti, Global Portfolio Manager for Microelectronics Assembly Materials, noted, “Customers have had early success employing the STAYDRY Z20 into hermetic packages with a wide range of service life temperatures eliminating moisture based failures from below freezing to high temperatures, increasing device life and in-service reliability”.

For more information on STAYDRY Z20 please visit www.MacDermidAlpha.com

About MacDermid Alpha Electronics Solutions:

Through the innovation of specialty chemicals and materials under our Alpha, Compugraphics, and MacDermid Enthone brands, we provide solutions that power electronics interconnection. We serve all global regions and every step of device manufacturing within each segment of the electronics supply chain. The experts in our Semiconductor Solutions, Circuitry Solutions, and Assembly Solutions divisions collaborate in design, implementation, and technical service to ensure success for our partner clients. Our solutions enable our customers’ manufacture of extraordinary electronic devices at high productivity and reduced cycle time. Find more at MacDermidAlpha.com

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