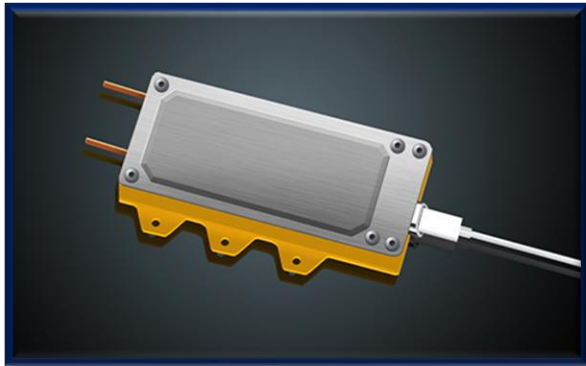# GETTERS

A TELECOMMUNICATIONS INDUSTRY EQUIPMENT ESSENTIAL

MacDermid Alpha's **STAYDRY®** and **HICAP™** are developed to meet stringent industry requirements enabling hermetic package manufacturers security and peace of mind to meet industry reliability standards; including JEDEC, MIL STD 883 and NASA outgassing requirements.

Many hermetic packages and modules containing integrated microelectronic devices may out gas H2, H20, CO2 and other species over time.

Getters are crucial in the **telecommunications industry** for the following reasons:

1.Ensuring Reliability: Telecommunications equipment operates in diverse and often challenging environments, including extremes of temperature and humidity. Getters help maintain the reliability of electronic components by removing residual gases and contaminants.

2.Minimizing Signal Interference: In telecommunications, signal integrity is paramount. Getters contribute to minimizing signal interference by creating and maintaining a clean and stable environment within electronic packages, thereby ensuring consistent and reliable transmission of data and signals.

3.Supporting Long-Term Performance: Telecommunications equipment is expected to have a long operational life. Getters play a role in ensuring the long-term performance of electronic components by preventing the accumulation of contaminants that could impact functionality over time.

Portfolio	Description	Advantage
HiCap2000	High-capacity moisture and CO2 getter	*One-part system *Room temperature stable *Moisture capacity ≥15% of product weight
H2-3000PSA	Hydrogen and moisture getter	*Irreversible hydrogen reaction *Highly permeable to both hydrogen and moisture
HiCap3000	High-capacity moisture and CO2 getter	*Film with pre-applied adhesive *Allows fast room temperature attach