

ARTEN GEL PERFORMANCE SPECIFICATIONS

The efficiency of silica gel as a moisture buffering agent is determined by the amount of moisture that is adsorbed or desorbed within a specified relative humidity (RH) range. The term "M-Value" represents the amount of moisture that is gained or lost for each 1% change in RH (once the silica gel is in equilibrium with surrounding RH conditions) based on 1000 grams of dry silica gel.

RHapid Gel had an M-Value of approximately 8. Arten Gel has an M-Value of 5.6. To compensate for this M-Value, an additional 40% of Arten Gel is added to each sachet to achieve the same moisture buffering capacity of the RHapid Gel sachet. This will increase the size of each sachet to 7 x 5 inches and about 1 inch high.

Although the Arten Gel sachet contains more silica gel than the RHapid Gel sachet, the price of a 6Pak remains the same, so that Arten Gel continues to be the most cost-effective silica gel solution for buffering RH in sealed microenvironments.