

Product Description: H₂Olock is AGM's pressed desiccant designed to fit tight spaces while providing structural strength. This proprietary blend is composed of 4A molecular sieve and specialized heat resistant binders. It is designed to provide an optimum balance between strength, adsorption rate, moisture capacity, and thermal resistance. H₂Olock can be regenerated and reused multiple times.

Criteria	Value	Unit of Measure	Conditional Parameters
Nominal Dry Weight	18	g/in ³	Varies Based on Part Design
Nominal Compressive Strength	6000	PSI	Varies Based on Part Design
Nominal Moisture Capacity (Dry)	2.9	g H ₂ O / in ³ desiccant	@25°C and 50% RH
Functional Moisture Capacity (2% Residual Moisture)	2.5	g H ₂ O / in ³ desiccant	@25°C and 50% RH
Max allowable exposed surface area for Type II dusting requirements	69	in ²	MIL-D-3464E 3.10.2, MIL-STD-810G Test Method 514.6 Annex D Category 12
Volume of 1 Unit (Nominal)	2.4	in ³	MIL-D-3464E 3.3.3
Maximum Service Temperature	150	°C	

AGM's H₂Olock pressed desiccant can be made into complex shapes through machining from a larger stock shape.

Supports internal threading for multi-part assemblies. (For reference: 800 lbf max in line load for a 5/16-18 bolt inserted 10 threads deep into pressed desiccant with .255" ID through hole, tapped for 5/16-18 thread.)

