



Pressed Shaped Desiccant

H2OLock®

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
Ultimate Adsorption Capacity	17.25	% Dry Weight	@70°C and 95% 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	150 350	°C °C	Continuous Short Duration

H2OLock® is a shaped thermoplastic and desiccant composite designed for projects with demanding constraints. It also provides superior moisture adsorption through a wide range of temperatures and is strong enough for use as a structural design component. H2OLock® can be regenerated and reused multiple times, machinable as necessary for most projects, and maintains rigidity up to 150°C.