

Unit Pak Charts

COMPARISON CHART			
MATERIAL	ABSORPTION RATE	ABSORPTION CAPACITY BY WEIGHT	COST
Clay	Moderate	28%	Low
Silica Gel	Moderate	38%	Medium
Molecular Sieve	Fast	20%	High

COMPARISON CHART					
PROPERTY OF H2O CONCENTRATIONS	MOLECULAR SIEVE	SILICA GEL	MONTMORILLONITE CLAY	CALCIUM OXIDE	CALCIUM SULFATE
Adsorptive capacity at low H2O concentrations	Excellent	Poor	Fair	Excellent	Good
Rate of adsorption	Excellent	Good	Good	Poor	Good
Capacity for water at 25° C, 40% RH	High	High	Medium	High	Low
Separation by molecular sizes	Yes	No	No	No	No
Adsorptive capacity at elevated temperatures	Excellent	Poor	Poor	Good	Good

SILICA GEL Unit Paks – Tyvek®:

PART NUMBER	UNITS	DIMENSIONS (L x W INCHES)	QUANTITY	CONTAINER	WEIGHT (LBS)
02BS11A13	1/6	2.125 x 2.125	1,200	5 Gal. Pail	19
02BK11A13	1/3	2.5 x 2.125	700	5 Gal. Pail	23
02BL11A13	1/2	3.125 x 2.125	550	5 Gal. Pail	24
02BM11A16	1	4.5 x 3.0	1,800	30 Gal. Drum	157
02BM11A13	1	4.5 x 3.0	300	5 Gal. Pail	23
02BN11A16	2	4.5 x 5.0	800	30 Gal. Drum	113
02BN11A13	2	4.5 x 5.0	150	5 Gal. Pail	22
02BO11A16	4	6 x 5	500	30 Gal. Drum	138
10BQ11A16	8	8.125 x 4.5	300	30 Gal. Drum	174
10BR11A16	16	10.5 x 4.5	150	30 Gal. Drum	153

CLAY Unit Paks – Tyvek®:

PART NUMBER	UNITS	DIMENSIONS (L x W INCHES)	QUANTITY	CONTAINER	WEIGHT (LBS)
02BS10A13	1/6	2.125 x 2.125	1,200	5 Gal. Pail	20
02BK10A13	1/3	2.5 x 2.125	700	5 Gal. Pail	22
02BL10A13	1/2	2.875 x 2.125	550	5 Gal. Pail	25
02BM10A16	1	4.5 x 3.0	1,800	30 Gal. Drum	157
02BM10A13	1	4.5 x 3.0	300	5 Gal. Pail	28
02BN10A16	2	4.5 x 5	800	30 Gal. Drum	135
02BN10A13	2	4.5 x 5	150	5 Gal. Pail	32
02BO10A16	4	6.25 x 5	500	30 Gal. Drum	156
10BQ10A16	8	8.25 x 4.5	300	30 Gal. Drum	194
10BR10A16	16	11 x 4.5	150	30 Gal. Drum	184

CLAY Unit Paks – Kraft:

PART NUMBER	UNITS	DIMENSIONS	QUANTITY	CONTAINER	WEIGHT (LBS)
03BQ10S16	8	8.5 x 4.25	300	30 Gal Drum	200
03BR10S16	16	10.625 x 4.5	150	30 Gal Drum	184
03DB10S16	32	9.125 x 8.625	75	30 Gal Drum	184
03DD10S16	80	14.75 x 8.75	30	30 Gal Drum	184

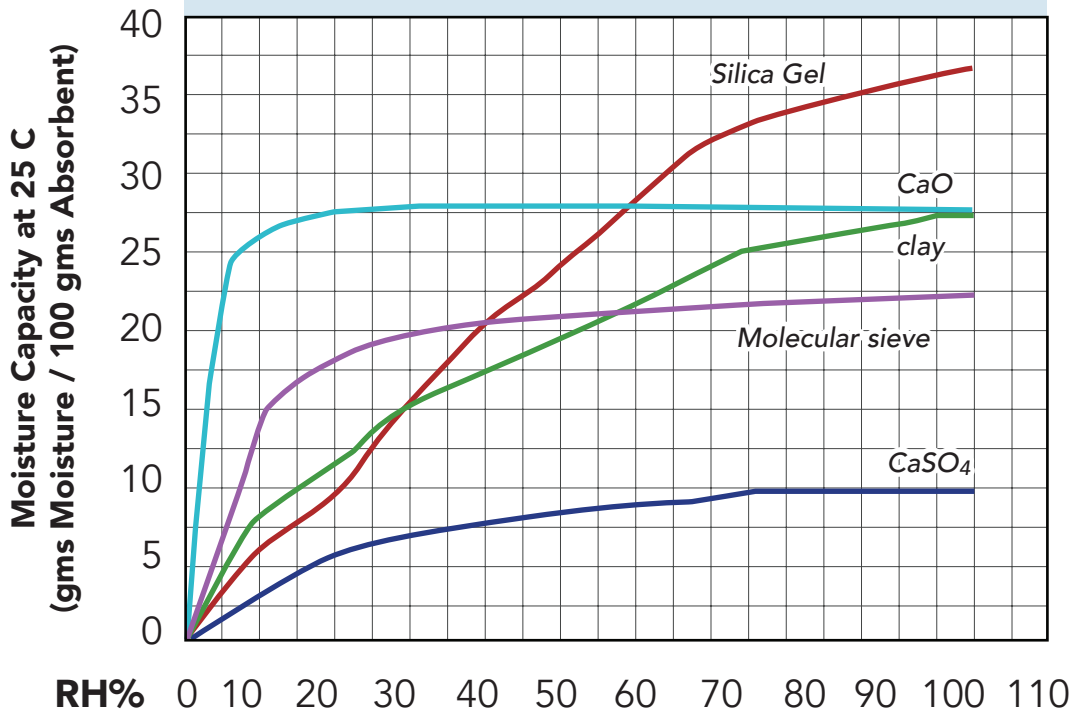
Unit Pak: Silica Gel Beaded / Clay (Tyvek®):**VOLUME**

Cu Inches	Cu Feet	Gallons
237	.14	1.1
476	.28	2.1
715	.42	3.2
1,429	.83	6.2
2,857	1.67	12.5
4,286	2.50	18.7
5,714	3.33	25
7,143	4.17	31.2
8,571	5	37.4
10,000	5.83	43.6
11,423	6.67	50
12,857	7.50	56.1
14,286	8.33	62.3
17,143	10.0	74.8
20,000	11.67	87.3
22,857	13.33	99.7
28,571	16.67	125
42,857	25	187
57,143	33.33	249
71,429	41.67	
85,714	50	
100,000	58.3	
114,286	66.67	

CLAY Unit Paks – Sewn Bags:

PART NUMBER	UNITS	DIMENSIONS	QUANTITY	CONTAINER	WEIGHT (LBS)
02BS10A13	1/6	2.125 x 2.125	1,200	5 Gal Pail	19
02BK10A13	1/3	2.5 x 2.125	700	5 Gal Pail	23
02BL10A13	1/2	3.125 x 2.125	550	5 Gal Pail	24
02BM10A16	1	4.5 x 3	1,800	30 Gal Drum	138
02BM10A13	1	4.5 x 3	300	5 Gal Pail	23
02BN10A16	2	4.5 x 5	800	30 Gal Drum	113
02BN10A13	2	4.5 x 5	150	5 Gal Pail	22
02BO10A16	4	6 x 5	500	30 Gal Drum	138

DESICCANT NOMINAL MOISTURE ADSORPTION CAPACITY



MOISTURE ADSORPTION RATE DESICCANT COMPARISON

