

Pull testi

ELGOLine flex meterial

IM & AG

US PWR = 80

Pull / Sheartester 5600, F&K Delvotec

Lot Identification : 1/1
 Testname : PH-100
 Testtype : Pulltest : Destructive
 Testspeed : 1514 μ m/s
 Testload : 10.00 cN
 Fallback : 30 %
 Lower limit for cpk : 2.00 cN

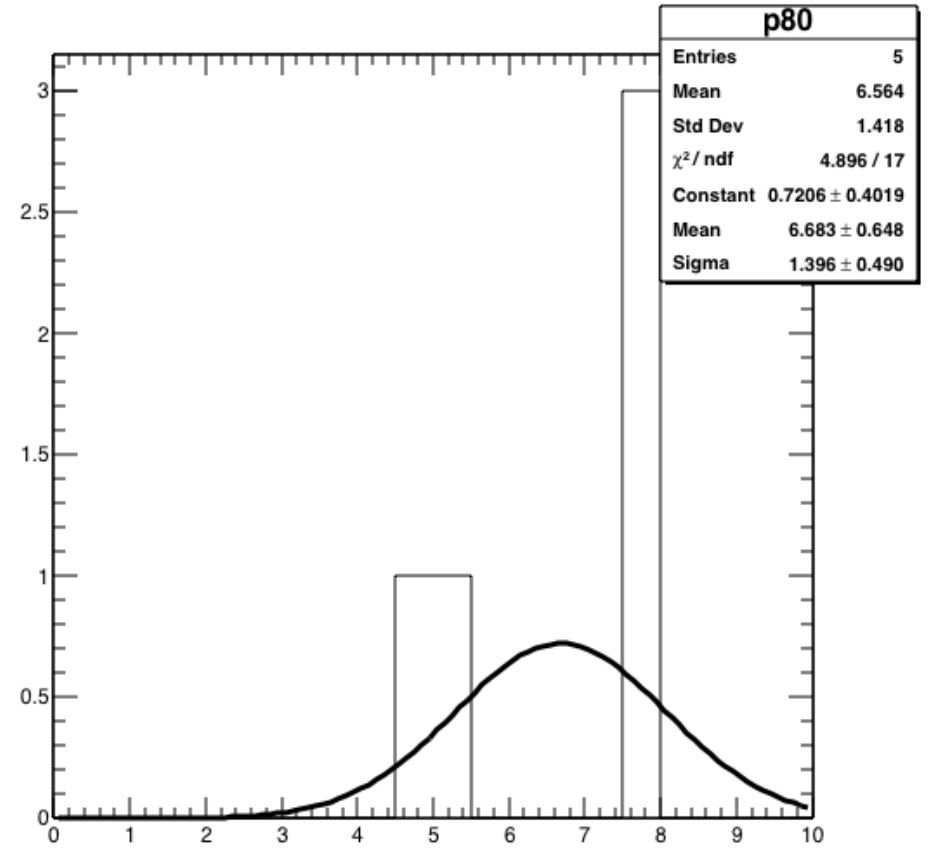
Lot results :
 Mean load : 6.56 cN
 CPK : 0.96
 Standard Deviation : 1.59
 Failures : 5
 Min Load : 4.59 cN
 Max Load : 7.83 cN
 Tests : 5
 Sample date : 2016-01-14 10:16:21

Lotinfo:
 User : IM
 Product : Elgo 80

Grade	Tests	Mean	StdDev	CPK	Minimum	Maximum	Failed
Heel Break 1	4	6.28	1.68	0.85	4.59	7.83	4
Lift Off 1	1	7.69	0.00	0.00	7.69	7.69	1

Test results:

Module	Bond	Results	Type	Grade	Comment
1	1	5.09	Fail	Heel Break 1	
2	1	4.59	Fail	Heel Break 1	
3	1	7.62	Fail	Heel Break 1	
4	1	7.83	Fail	Heel Break 1	
5	1	7.69	Fail	Lift Off 1	



US PWR = 85

Pull / Sheartester 5600, F&K Delvotec

Lot Identification : 1/2
 Testname : PH-100
 Testtype : Pulltest : Destructive
 Testspeed : 1514 μ m/s
 Testload : 10.00 cN
 Fallback : 30 %
 Lower limit for cpk : 2.00 cN

Lot results :

Mean load : 6.30 cN
 CPK : 1.07
 Standard Deviation : 1.34
 Failures : 9
 Min Load : 4.42 cN
 Max Load : 8.78 cN
 Tests : 9
 Sample date : 2016-01-13 16:20:24

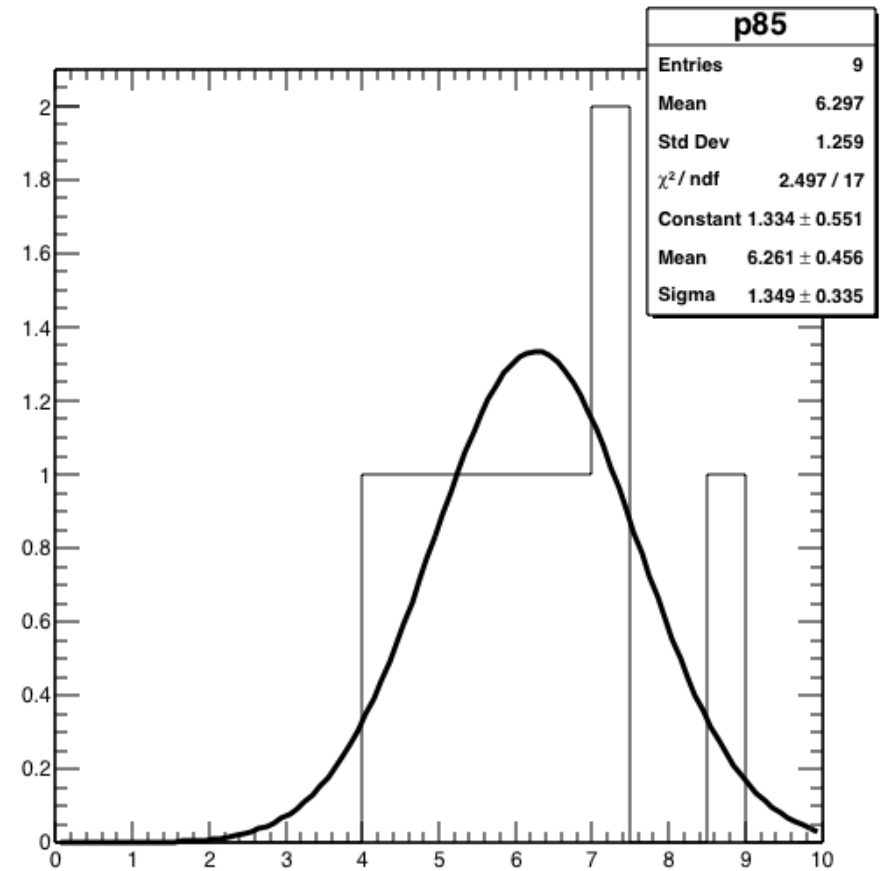
Lotinfo:

User : im
 Product : Elgoline

Grade	Tests	Mean	StdDev	CPK	Minimum	Maximum	Failed
Lift Off 1	6	6.73	1.23	1.28	5.42	8.78	6
Lift Off 2	3	5.42	1.27	0.90	4.42	6.85	3

Test results:

Module	Bond	Results	Type	Grade	Comment
1	1	5.42	Fail	Lift Off 1	
2	1	6.05	Fail	Lift Off 1	
3	1	5.83	Fail	Lift Off 1	
4	1	4.99	Fail	Lift Off 2	
5	1	4.42	Fail	Lift Off 2	
6	1	8.78	Fail	Lift Off 1	
7	1	7.25	Fail	Lift Off 1	
8	1	6.85	Fail	Lift Off 2	
9	1	7.08	Fail	Lift Off 1	



US PWR = 90

ull / Sheartester 5600, F&K Delvotec

Lot Identification : 1/4
 Testname : PH-100
 Testtype : Pulltest : Destructive
 Testspeed : 1514 μ m/s
 Testload : 10.00 cN
 Fallback : 30 %
 Lower limit for cpk : 2.00 cN

Lot results :

Mean load : 6.42 cN
 CPK : 1.35
 Standard Deviation : 1.09
 Failures : 9
 Min Load : 4.79 cN
 Max Load : 8.24 cN
 Tests : 9
 Sample date : 2016-01-14 11:18:29

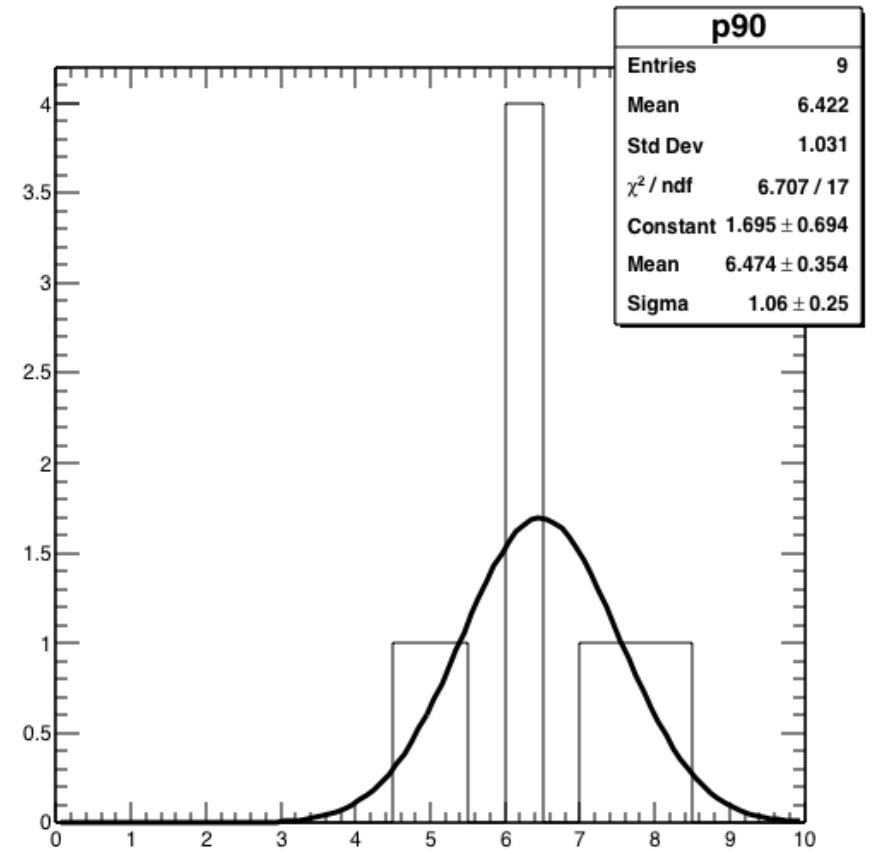
Lotinfo:

User : IM
 Product : Elgo 90

Grade	Tests	Mean	StdDev	CPK	Minimum	Maximum	Failed
Heel Break 1	6	6.46	1.14	1.31	4.79	8.24	6
Lift Off 1	2	6.29	1.75	0.82	5.05	7.53	2
Lift Off 2	1	6.45	0.00	0.00	6.45	6.45	1

Test results:

Module	Bond	Results	Type	Grade	Comment
1	1	8.24	Fail	Heel Break 1	
2	1	7.53	Fail	Lift Off 1	
3	1	5.05	Fail	Lift Off 1	
4	1	7.00	Fail	Heel Break 1	
5	1	6.45	Fail	Lift Off 2	
6	1	4.79	Fail	Heel Break 1	
7	1	6.09	Fail	Heel Break 1	
8	1	6.22	Fail	Heel Break 1	
9	1	6.43	Fail	Heel Break 1	



US PWR = 100

Pull / Sheartester 5600, F&K Delvotec

Lot Identification : 1/3
 Testname : PH-100
 Testtype : Pulltest : Destructive
 Testspeed : 1514 $\mu\text{m/s}$
 Testload : 10.00 cN
 Fallback : 30 %
 Lower limit for cpk : 2.00 cN

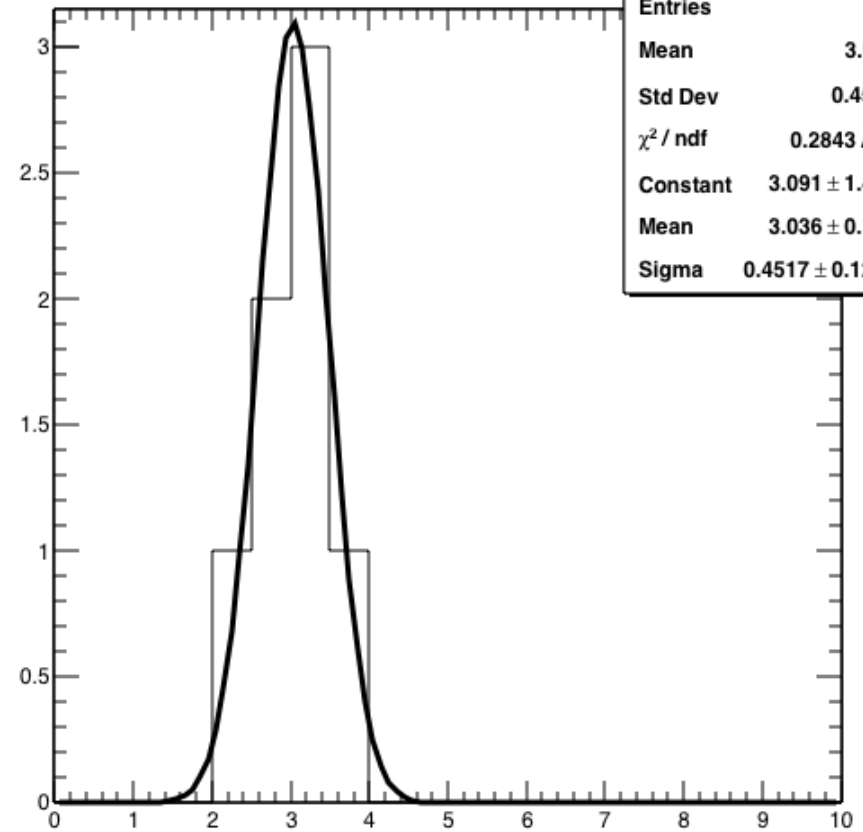
Lot results :
 Mean load : 3.06 cN
 CPK : 0.73
 Standard Deviation : 0.49
 Failures : 7
 Min Load : 2.22 cN
 Max Load : 3.78 cN
 Tests : 7
 Sample date : 2016-01-14 11:13:34

Lotinfo:
 User : IM
 Product : Elgo 100

Grade	Tests	Mean	StdDev	CPK	Minimum	Maximum	Failed
Heel Break 1	7	3.06	0.49	0.73	2.22	3.78	7

Test results:

Module	Bond	Results	Type	Grade	Comment
1	1	3.10	Fail	Heel Break 1	
2	1	3.78	Fail	Heel Break 1	
3	1	3.26	Fail	Heel Break 1	
4	1	2.22	Fail	Heel Break 1	
5	1	2.91	Fail	Heel Break 1	
6	1	2.83	Fail	Heel Break 1	
7	1	3.35	Fail	Heel Break 1	



p100	
Entries	7
Mean	3.064
Std Dev	0.4512
χ^2 / ndf	0.2843 / 17
Constant	3.091 \pm 1.431
Mean	3.036 \pm 0.171
Sigma	0.4517 \pm 0.1206