

ChemGrout®

"Equipment for Grouting Since 1969"

805 E. 31st Street, P.O. Box 1140

LaGrange Park, Illinois 60526

Phone: 708-354-7112 Fax: 708-354-3881

Material Testing Results

Date: July 22, 2014

E-Mail: info@chemgrout.com

Web Site: www.chemgrout.com

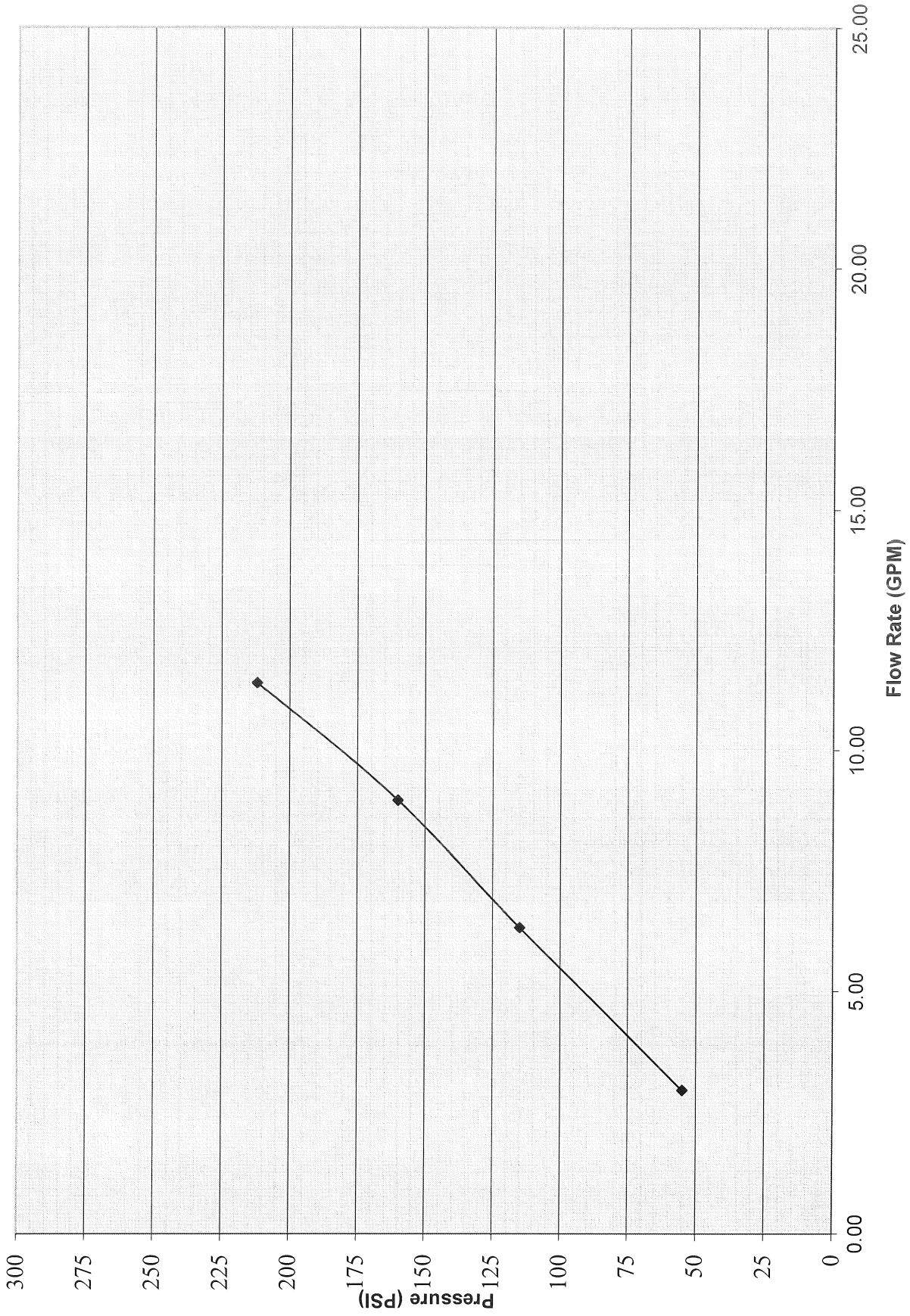
Manufacturer:	ChemMasters 300 Edwards Street Madison, OH 44057	Contact:	John Fauth	
		Phone:	800-486-7866	
		Fax:	440-428-7091	
Material:	ChemSpeed 65	Lot #	G424510	
Material Application:	Horizontal & Vertical Repair Mortar, High Early			
Mfg. Plant:	Madison, OH	Std. Bag Weight:	50 #	
Testing Conditions:	Outside Temperature: 88°F	Humidity:	56%	
Equipment Used:	Model: CG570 Mixer: Paddle	Pump:	2TJ6 Progressing Cavity	
		Power:	Hydraulic	
Std. Mix Ratios:	50 lb. bag to 3.5 qts water	Water Temp:	71 °F	
Batching Method:	Quantity Material: 150 lbs.	Quantity Water:	20.4 lbs	
Mixing Time:	180 Seconds	Batch Temp:	83.5 °F	
Specific Gravity:	SG = 2.12	Flow Cone	N/A Seconds	
Pumping Method:	Recirculated through hose, recorded pressures at various flow rates.			
Flow Rate/Pressure:	Flow Rate	Pressure	Flow Rate	Pressure
Hose (1 1/4" x 50' Hose)	3.0 GPM	55 PSI	GPM	PSI
Hose ()	6.3 GPM	115 PSI	GPM	PSI
Hose ()	9.0 GPM	160 PSI	GPM	PSI
Hose ()	11.4 GPM	212 PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI

Observations: Light Gray, thick looking material. Mixed and pumped hard. High pumping pressure, Max working time is 8 min at 75°F. Estimate max hose length of 75 feet.

Results: ChemGrout, Inc. rates the pumpability of this product as a "6" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the CG3C6 pump or higher.

ChemMasters ChemSpeed 65

1 1/4" x 50' Hose



ChemGrout Pump Test Data

Date Tested: July 22, 2014

Tested By: Joe Schatz
Paul Biela

Manufacturer: ChemMasters

Contact: John Fauth
Phone: 440-428-2105
Fax: 440-428-7091

Material: ChemSpeed 65

Lot# G423546

Hose Used: One 1.25 Inch I.D. x 50 Foot Long = Total 50 Foot

Product Pump	Product		Hydraulic Pump		Power
RPM	Flow Rate (GPM)	Pressure (PSI)	Flow Rate(GPM)	Pressure (PSI)	HP Required
55.0	2.96	55	3.0	850	1.49
118.0	6.34	115	4.0	1050	2.45
167.0	8.98	160	5.0	1200	3.50
212.0	11.40	212	6.0	1350	4.73

Average HP Required =

3.04

ChemGrout, Inc
805 E. 31st Street
P.O. Box 1140
LaGrange Park IL 60526

183 Phone 708-354-7112
Fax 708-354-3881
Email info@chemgrout.com
Web Site www.chemgrout.com

ChemGrout Sieve Test Data

Date Tested: July 22, 2014

Tested By: Joe Schatz
Paul Biela

Manufacturer: ChemMasters

Contact: John Fauth
Phone: 440-428-2105
Fax: 440-428-7091

Material: ChemSpeed 65

Lot# G423546

Hose Used: One 1.25 Inch I.D. x 50 Foot Long = Total 50 Foot

Sieve #	Weight Retained	% Retained	Cumulative Ret	Weight Passed	% Passed
4	0 Grams	0.0%	0.0%	500 Grams	100.0%
8	0 Grams	0.0%	0.0%	500 Grams	100.0%
16	0 Grams	0.0%	0.0%	500 Grams	100.0%
30	84 Grams	16.8%	16.8%	416 Grams	83.2%
50	129 Grams	25.8%	42.6%	287 Grams	57.4%
100	55 Grams	11.0%	53.6%	232 Grams	46.4%
200	49 Grams	9.8%	63.4%	183 Grams	36.6%
PAN	183 Grams	36.6%	100.0%	0 Grams	0.0%

Total Sample = 500 Grams

ChemGrout, Inc.
805 E. 31st Street
P.O. Box 1140
LaGrange Park IL 60526

Phone 708-354-7112
Fax 708-354-3881
Email info@chemgrout.com
Web Site www.chemgrout.com