

# 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: Nov. 5, 2014

E-Mail: info@chemgrout.com

Web Site: www.chemgrout.com

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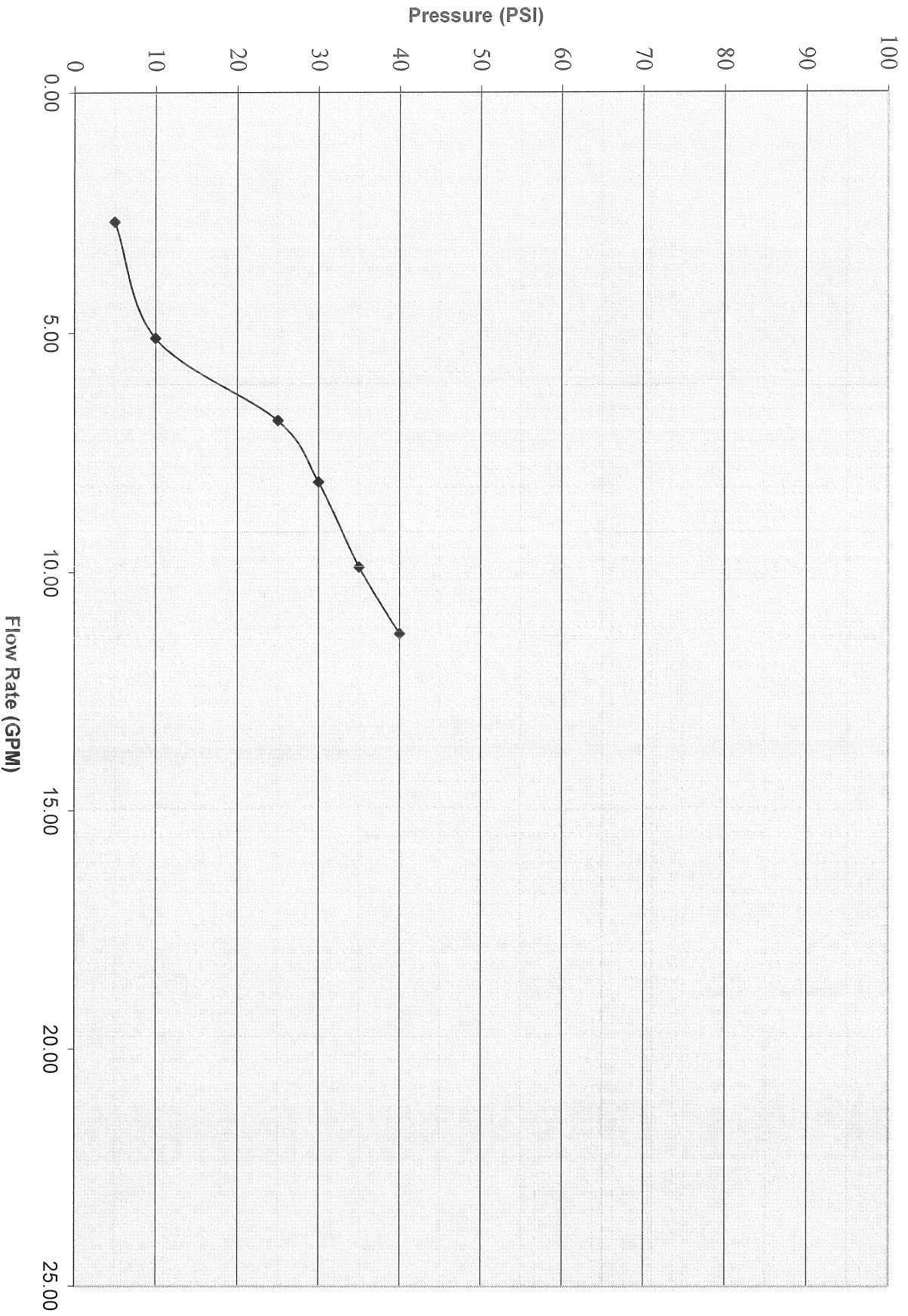
<b>Manufacturer:</b>	ChemMasters 300 Edwards Street Madison, OH 44057	<b>Contact:</b>	John Fauth	
		<b>Phone:</b>	800-486-7866	
		<b>Fax:</b>	440-428-7091	
<b>Material:</b>	Kemset Grout	<b>Lot #</b>	F424149	
<b>Material Application:</b>	Precision, High Strength, Non-Shrink, Non Metallic Grout			
<b>Mfg. Plant:</b>	Madison, OH	<b>Std. Bag Weight:</b>	50 #	
<b>Testing Conditions:</b>	Outside Temperature: 65°F	<b>Humidity:</b>	42%	
<b>Equipment Used:</b>	Model: CG570 Mixer: Paddle	<b>Pump:</b>	2TJ6 Progressing Cavity	
		<b>Power:</b>	Hydraulic	
<b>Std. Mix Ratios:</b>	50 bag to 9.5 pints water	<b>Water Temp:</b>	58 °F	
<b>Batching Method:</b>	Quantity Material: 150 lbs.	<b>Quantity Water:</b>	29.7 lbs	
<b>Mixing Time:</b>	180 Seconds	<b>Batch Temp:</b>	65 °F	
<b>Specific Gravity:</b>	SG = 2.1	<b>Flow Cone</b>	N/A Seconds	
<b>Pumping Method:</b>	Recirculated through hose, recorded pressures at various flow rates.			
<b>Flow Rate/Pressure:</b>	Flow Rate	Pressure	Flow Rate	Pressure
Hose (1 1/4" x 50' Hose)	2.7 GPM	5 PSI	GPM	PSI
Hose ( )	5.1 GPM	10 PSI	GPM	PSI
Hose ( )	6.8 GPM	25 PSI	GPM	PSI
Hose ( )	8.1 GPM	30 PSI	GPM	PSI
Hose ( )	9.9 GPM	35 PSI	GPM	PSI
Hose ( )	11.3 GPM	40 PSI	GPM	PSI
Hose ( )	GPM	PSI	GPM	PSI
Hose ( )	GPM	PSI	GPM	PSI
Hose ( )	GPM	PSI	GPM	PSI
Hose ( )	GPM	PSI	GPM	PSI

**Observations:** Dark Gray, smooth looking material, mixed and pumped very easy. Low pumping pressure. Estimate max pumping distance of 250 feet.

**Results:** ChemGrout, Inc. rates the pumpability of this product as a "9" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the CG050 pump or higher.

# ChemMasters Kemset Grout

## 1 1/4" x 50' Hose



# ChemGrout Pump Test Data

**Date Tested:** Nov. 5, 2014

**Tested By:** Joe Schatz  
Paul Biela

**Manufacturer:** ChemMasters

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

**Material:** Kemset Grout

**Lot#** F424149

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

Product Pump RPM	Product		Hydraulic Pump		Power
	Flow Rate (GPM)	Pressure (PSI)	Flow Rate(GPM)	Pressure (PSI)	HP Required
50.0	2.69	5	5.0	300	0.88
95.0	5.11	10	7.0	300	1.23
127.0	6.83	25	9.0	300	1.58
151.0	8.12	30	11.0	350	2.25
184.0	9.89	35	13.0	350	2.65
210.0	11.29	40	15.5	350	3.17
Average HP Required =					1.96

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# ChemGrout Sieve Test Data

**Date Tested:** Nov. 5, 2014

**Tested By:** Joe Schatz  
Paul Biela

**Manufacturer:** ChemMasters

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

**Material:** Kemset Grout

**Lot#** F424149

**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	13 Grams	2.6%	2.6%	487 Grams	97.4%
50	162 Grams	32.4%	35.0%	325 Grams	65.0%
100	106 Grams	21.2%	56.2%	219 Grams	43.8%
200	206 Grams	41.2%	97.4%	13 Grams	2.6%
PAN	13 Grams	2.6%	100.0%	0 Grams	0.0%

**Total Sample =** 500 Grams

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