



# WELL PACK MEDIA

**Red Flint Sand and Gravel has produced well pack products for use in municipal, environmental, irrigation, and industrial water wells since 1917. Red Flint well pack products are manufactured to meet exacting size and uniformity specifications.**

Red Flint's sub-angular/sub-round shaped gravel or well pack holds the natural formation in place and prevents fines from entering the well. The uniformity and high porosity of our well pack provides for optimal well production.

Red Flint well pack is specially sized to correlate with the slot size opening of the well screen. This creates a hassle-free selection process for our well pack customers.

Packaging is available in 50 lb. and 100 lb. poly bags, and supersacks up to 4,000 lbs.



WELL PACK MEDIA - ROCKINGHAM, NC	
Parameter	Description
Physical Form	White, sub-angular
Bulk Density	~ 90 lbs. per cubic foot
Hardness (Mohs Scale)	6.0 - 7.0
Effective Size Range	0.20 - 0.30 to 2.00 - 3.00 mm
Uniformity Coefficient	1.3 to less than 1.7
Acid Solubility	< 1.0%
Specific Gravity	> 2.6
Silicon Dioxide Content	> 97%
Loss on Ignition	< 1.0%

# TYPICAL SIEVE ANALYSIS



Gravel Pack Size (well slot)		3/8"x 3/16"	#120 WS	#90 WS	#80 WS	#60 WS	#50 WS	#40 WS	#30 WS	#20 WS	#15 WS	#10 WS	#7 WS
US Sieve	Inches	Percent Passing (%)											
3/8"	0.375	98	100										
1/4"	0.25	31	97	100	100								
4	0.187	3	67	98	100								
5	0.157	1	37	80	87	100							
6	0.132	0	12	48	55	95	100						
7	0.111		2	19	26	78	96						
8	0.094		1	2	10	51	87	100	100				
10	0.079		0	0	4	27	67	98	100				
12	0.066			0	1	5	40	88	96				
14	0.056				0	0	11	55	76	100	100		
16	0.047					0	2	24	54	98	98		
18	0.039						0	4	30	89	94	100	
20	0.033							1	7	68	81	100	100
25	0.027							0	2	39	55	90	100
30	0.023								0	13	29	63	99
35	0.02									2	8	33	89
40	0.016									0	1	8	64
45	0.014										0	1	37
50	0.012											0	19
60	0.009											0	8
70	0.008												4
80	0.007												2

## GRAVEL PACK SIZE RECOMMENDATION

Screen Slot Size	Red Flint Sand & Gravel	Competitors
0.010"	#10 WS	20/40
0.015"	#15 WS	
0.020"	#20 WS	16/30
0.030"	#30 WS	
0.040"	#40 WS	12/20
0.050"	#50 WS	8/16
0.060"	#60 WS	8/12
0.080"	#80 WS	6/9
0.090"	#90 WS	6/9
0.120"	#120 WS	

**Fast Lead Times**

**Custom Sizing**

**Low Acid Solubility**

**Highly Uniform**

**High Hydraulic Conductivity**

DISCLAIMER: The information set forth in this Product Data Sheet represents typical properties of the product described; the information and the typical values are not specifications. Red Flint Sand & Gravel, LLC makes no representation or warranty concerning the Products, expressed or implied, by this Product Data Sheet. The information in this publication is true and reliable to the best of our knowledge. They are offered in good faith, but without warranty or liability of consequential damage as conditions and method of use of product is varied and beyond our control. We suggest the suitability and performance of the product be determined by the end user before they are adopted on a commercial scale.

Packaged for Red Flint Sand and Gravel, LLC by South Central Sands, LLC, a wholly owned subsidiary of Red Flint Group, LLC

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