

A brand of Aqseptence Group

Shur-Pak[™] Glass Bead Filter Pack

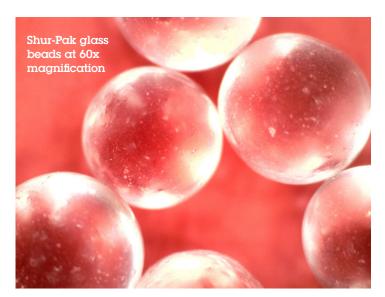
Easier to install than traditional filter pack, Shur-Pak[™] is stronger, chemically inert and are almost perfect spheres — virtually eliminating bridging during installation that can be an issue in traditional filter pack.

Shur-Pak Glass Beads are used as an upgrade from traditional filter packs for water wells. Shur-Pak is easy to handle and can be sized and installed using similar methods and techniques.

Features and Benefits

Glass beads for filter packs in water wells provide:

- Uniform and consistent bead size
- Stronger crush strength than gravel
- Simple to install and greatly reduces bridging
- Less compaction over the well life
- Faster development than gravel
- (40% 60% reduction of time)
- Higher well efficiency
- Less loss of capacity from reduced bio-fouling and mineral scaling
- Extended operation intervals between well rehabilitation
- Easy to clean and chemical resistance
- Reduced operational costs
- Available in 1 metric ton sacks and 25 kg bags
- NSF/ANSI/CAN Standard 61 Drinking Water System Components Certified

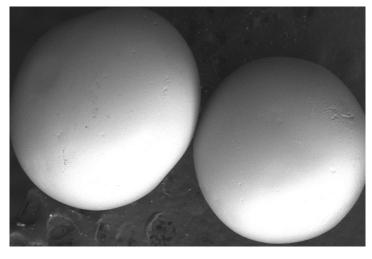




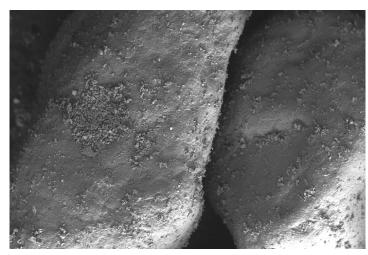
Shur-Pak Sizing Chart vs Sand

						Ç	Size	Rai	nge -	0.00	01 ir	ı. Ind	crei	men	nts									
	10	2	30	4	40	50		ć	0	70		80	Γ	9	0]	100	110	120	130	140	150	160	170
Sand 20-40																								
Shur-Pak 30-40 (0.023 - 0.016 in.)													Ī											
Sand 16 - 30																								
Shur-Pak 20-30 (0.033 - 0.023 in.)																								
Sand 12-20																								
Shur-Pak 16-20 (0.047 - 0.033 in.)																								
Sand 10-16																								
Shur-Pak 12-16 (0.066 - 0.047 in.)																								
Sand 8-12																								
Shur-Pak 10-12 (0.079 - 0.066 in.)																								
Sand 6 - 9																								
Shur-Pak 6-10 (0.118 - 0.079 in.)																								
Sand 1/8 x 1/4 in. *																								
Shur-Pak 5-7 (0.157 - 0.118 in.)																								

*Data extends off the graph



16-20 Shur-Pak beads magnified 50x with a scanning electron microscope (SEM)



8-12 Sand magnified 35x under a scanning electron microscope (SEM)

Chemical Composition

Compositior	Percentage	
Silicon Dioxide	SiO ₂	69.6%
Sodium Oxide	Nα ₂ O	13.3%
Calcium Oxide	CαO	10.9%
Magnesium Oxide	MgO	4.23%
Aluminum Oxide	Al ₂ O ₃	1.17%

Johnson Screens Water Well Screens

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Shur-Pak Sizing

Product Description	US Mesh (approx)	Bead Diameter (in.)	Bead Diameter (mm)	Bulk Density (lb. ft.³)
Shur-Pak 30-40	30 - 40	0.024 - 0.016	0.60 - 0.40	101.13
Shur-Pak 20-30	20 - 30	0.033 - 0.024	0.85 - 0.60	101.13
Shur-Pak 16-20	16 - 20	0.046 - 0.033	1.18 - 0.85	101.13
Shur-Pak 12-16	12 - 16	0.067 - 0.046	1.7 - 1.18	101.13
Shur-Pak 10-12	10 - 12	0.079 - 0.067	2.0 - 1.7	100.51
Shur-Pak 6-10	6 - 10	0.118 - 0.079	3.0 - 2.0	99.88
Shur-Pak 5-7	5 - 7	0.157 - 0.118	4.0 - 3.0	98.01

Chemical and Physical Properties

Parameter	Description							
Physical Form	Solid, odorless, transparent, soda lime glass beads							
Mean Roundness by Bead Diameter	>93%							
Hardness	≥6.0-6.7 on Mohs scale							
Melting point	1450 – 1500 deg C							
Deformation temperature	580 – 650 deg C							
Uniformity Coefficient	1.1 to < 1.45							
Acidic Resistance (according to DIN 12116)	S2 Acid Resistant							
Specific Gravity	>2.45							

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