



## **Zeobrite Filter Media Particle Size Distribution**

Particle Size: 14 x 30 mesh (0.5mm to 1.4mm) Screen Analysis

Cum. % Retained	Cum. Mass Finer %	Part. Size (mm)	Mesh
1%	99%	1.400	14
33%	67%	1.180	16
56%	44%	1.000	18
68%	32%	0.850	20
96%	4%	0.425	40
98%	2%	0.300	50

$d_{10} = 0.55 \text{ mm} = \text{Effective Size By Definition}$

$d_{60} = 0.90 \text{ mm}$

Uniformity Coefficient,  $UC = d_{60} / d_{10} = 0.90 / 0.55 = 1.64$

Shape Factor = 0.68 (Similar to anthracite)

Wet Particle Density ~ 1800 gm / l (Silica Sand ~ 2600 gm / l)

$L / D \text{ Ratio} = (36") * (2.54 \text{ cm/in}) * (10 \text{ mm/cm}) / (0.55 \text{ mm}) = 1660$



## Zeobrite Filter Media 14 x 30 mesh

