

Provosil®

Properties and Specifications

A premium PERLITE product by
REDCO II

PRODUCT
INFORMATION
BULLETIN

11A

Typical Physical Properties		Typical Chemical Analysis	
Form and color	Fine White Granules	Silicon Dioxide (SiO ₂)	71 - 75%
Loose Density Range	2 to 20 lbs./cu. ft.	Aluminum Oxide (Al ₂ O ₃)	12.5 - 18%
Apparent Density in Fluid	5 to 25 lbs./cu. ft.	Potassium Oxide (K ₂ O)	4.0 - 5.0%
pH	Essentially Neutral	Sodium Oxide (Na ₂ O)	3.0 - 5.0%
Solubles, water	0.08%	Calcium Oxide (CaO)	0.5 - 2.5%
Fusion Point	2300° - 2400° F	Ferric Oxide (Fe ₂ O ₃)	0.5 - 1.5%
Thermal Conductivity	"k" factor: .12 - .45	Magnesium Oxide (MgO)	0.1 - 0.5%
Apparent Specific Gravity in Fluid	0.1 - 0.4	Sulfur Trioxide	nil
Bulking in fluid	0.8 - 3.6 lbs.Gal displaced		
*Specific Values Vary with loose density and/or type of fluid			

Typical Specifications

Product Number	01	03	04	06	07	25	27	30
Nominal Mesh Range	Minus 200	6-100	6-30	16-200	16-200	8-100	16-200	8-100
Loose Density	7.0 - 10.0	5.0 - 7.0	5.0 - 7.0	2.0 - 4.0	4.0 - 5.0	5.0 - 7.0	6.0 - 8.0	7.5 - 9.5
Sieve Analysis % retained by Volume, Cumulative								
U.S. Sieve No.								
4	-	0 - 5	0 - 5	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
8	-	30 - 45	45 - 65	0 - 0	0 - 0	0 - 10	0 - 0	0 - 5
16	-	50 - 75	90 - 95	0 - 5	0 - 5	20 - 30	0 - 5	15 - 35
30	-	75 - 90	95 - 100	29 - 39	29 - 39	47 - 67	8 - 18	48 - 70
50	-	85 - 95	97 - 100	58 - 68	58 - 68	80 - 90	50 - 65	78 - 90
100	0 - 5	88 - 96	99 - 100	70 - 90	70 - 90	90 - 100	70 - 90	90 - 100
200	0 - 10	-	-	-	-	-	-	-
325	5 - 25	-	-	-	-	-	-	-

Notes: All Provosil grades are packed in 4 of 5 cubic foot multi-wall paper bags. Some grades available in bulk. Silicone water-repellency treatment available on some grades at extra cost. Dust-inhibiting treatments also available on some grades at extra cost.

