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P SILICA

A pure white crystalline form of silica used in ceramics, soap, as an abrasive and as a general filler or extender. Also used in manufacture of investment castings and particularly recommended in the manufacture of epoxy resins.

Typical Chemical Analysis

Silicon Dioxide (SiO_2)	99.7%
Iron Oxide (Fe_2O_3)	0.025%
Aluminum Oxide (Al_2O_3)	0.10%
Titanium Dioxide (TiO_2)	0.15%
Calcium Oxide (CaO)	0.15%
Magnesium Oxide (MgO)	0.15%
Alkalie	Trace

Screen Analysis

Mesh	% Retained	Cumulative
70	0.0	0.0
100	0.1	0.1
140	0.7	0.8
200	3.7	4.5
270	8.5	13.0
325	8.0	21.0

Physical Analysis

pH	7
Hardness (Moh)	7.0
Density	80.7 lbs. / ft^3
Specific Gravity	2.65
Oil Absorption	26 lbs. of oil per 100 lbs.
Melting Point	3100° F
% Reflection	87.0
Yellowness Index	5

Origin: USA