

TECHNICAL DATA

SIL-CELL 300H

DESCRIPTION

Sil-cell glass micro cellular additives are surface-treated, inert, inorganic, non-toxic, hollow glass particles whose shapes vary to combine different geometries, spherical and irregular. These shapes provide advantages as a filler reinforcement.

CHEMICAL ANALYSIS

Silicon Dioxide	73%
Aluminium Oxide	17%
Potassium Oxide	5%
Sodium Oxide	3%
Calcium Oxide	1%
Plus Trace Elements	

PHYSICAL PROPERTIES

Effective Particle density, <i>g/cm³</i> (lb/cu ft)	0.18 (11.2)
Oil Absorption ASTM-D-1483 gms oil per 100 cm ³	30
Hygroscopic Moisture	0
Surface pH	7.0
Thermal Conductivity	0.36
Colour	White
Dry Bulk Density, kg/m ³	110kg
Average Particle Size	75 um
Particle Size Range	1-3000um
Fusion Point (°C)	1260

TYPICAL PARTICLE SIZE DISTRIBUTION

MICRONS	% Wt
> 290 .um	2
150 – 290.um	15
74 - 150 um	33
> 74 um	50

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