

Chemical and Physical Characteristics of MetaMax® HRM

Chemical Composition	SiO ₂	Al ₂ O ₃	Na ₂ O	K ₂ O	TiO ₂	Fe ₂ O ₃	CaO	MgO	P ₂ O ₅	SO ₃	LOI
Percent	53.0	43.8	0.23	0.19	1.70	0.43	0.02	0.03	0.03	0.03	0.46

Bulk Density (kg/m³) 320

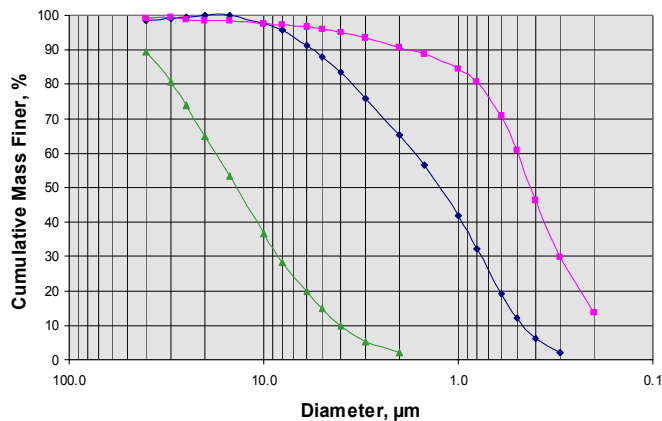
Particle Morphology (Scanning Electron Micrograph)



Particle Size Distribution

Diameter (μm) Cumulative Mass Finer (%) SediGraph 5100 Analysis

10.00	99
8.00	97
6.00	93
5.00	89
4.00	84
3.00	77
2.00	66
1.50	57
1.00	43
0.80	34
0.60	21
0.50	14
0.40	7
0.30	3
0.20	0



—◆— Metamax, -325m —■— Silica Fume, -325m —▲— Fly, Ash, -325m

Medium Particle Size (μm)

MetaMax 1.2 Silica Fume 0.4 Fly Ash 10

Surface Area (m²/g)

MetaMax 13 Silica Fume 19 Fly Ash 1