

RiverCal™ 8100 Series Calcium Carbonate

Ground Calcium Carbonate (GCC)

RiverCal™ 8100 Series Calcium Carbonate are high purity, white, functional fillers targeted for use in thermo-sets, thermoplastics, paint & coatings, sealants, TPO's and TPE's and other applications requiring an economical filler. **RiverCal™ 8100 Series** products are also available with a stearic acid surface coating designated with a "C", where improved flow and reduced dusting are required.

Product Description Typical Values	RiverCal™ 8103 & 8103C	RiverCal™ 8105 & 8105C	RiverCal™ 8107 & 8107C
Median Particle Size (microns)	3.3	4.3	5.0
Micromeritics Sedigraph 5100			
@ 98% (microns)	20	25	32
@ 10% (microns)	1.5	1.6	1.8
Dry Brightness			
Hunter Rd Value			
Uncoated	92	92	92
Stearate Treated	89	89	89
Oil Absorption (gm oil/100gm filler)			
ASTM – D 281	22	18	15
Bulk Density			
Loose (lbs/ft ³)	34	35	36
Tapped (lbs/ft ³)	74	76	87
Retained % on a 325 Mesh Screen	0.1%	0.3%	0.5%
Hegman Fineness			
ASTM D 1210	6.5	5.5	5.0

Typical Chemical Analysis		(WT) %
Calcium Carbonate	CaCO ₃	99.0
Magnesium Carbonate	MgCO ₃	<1
Iron As	Fe ₂ O ₃	<0.1

Typical Properties	
Specific Gravity	2.71
Moisture %	0.3
pH	9.5
LOI @ 1050° C	44%

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