

ELLITE COLORANTS AND ADDITIVES LLP

Calcium Carbonate: AC13T

Technical Data Sheet

PRODUCT INFORMATION:

Natural, surface treated, ultra-fine calcium carbonate manufactured from high purity, very white limestone.

RAW MATERIAL PHYSICAL PROPERTIES:

CaCO ₃	99.5%	CaO	55.91%
MgCO ₃	0.30%	SiO ₂	0.09%
Fe ₂ O ₃	0.01%	Al ₂ O ₃	0.04%
HCl insoluble content	0.20%	MgO	0.05%
Cr ₂ O ₃ (PPM)	4- 5 Max	L.O.I	43.64%

PRODUCT PHYSICAL PROPERTIES:

FINENESS:

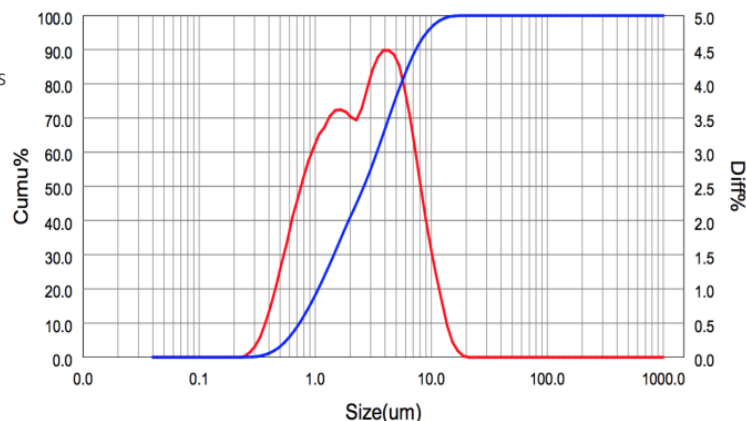
Residue on a 45 Microns sieve (ISO 787/7)	0.05%
Top cut (d97%)	11-13 Microns
Mean particle size (d50%)	2.8-3.1 Microns
Particles < 2 Microns	31% - 36%

WHITENESS:

Brightness (Ry, C/2, DIN 53163)	96.00%
Brightness CIE L*, a*, b* (DIN 6174)	98 / 0.18 / 0.9
Moisture ex works (ISO 787/2)	0.20%

GENERAL PRODUCT DATA:

Loose bulk density	0.8 g/ml
pH value (ISO 787/9)	9
Oil absorption (ISO 787/5)	12 g/100g
VO absorption (ISO 787/5)	13 g/100g



RECOMMENDED APPLICATIONS:

- Polyolefin:
 - Compound/masterbatches
 - moldings/film
- Plasticized PVC
 - Profiles
 - Artificial leather
 - Calendared sheets
- Masterbatches
- rubber moldings