AMCOL® SPECIALTY MINERALS

TECHNICAL DATA

QPC 300

Application: Industrial Pure-White Calcium Bentonite

TYPICAL ANALYSIS

General Description	QPC-300 is a high cation exchange capacity, pure white, non swelling Calcium Bentonite
Functional Use	Ceramics, Household and industrial applications where low-swelling and brilliant whiteness are specifically desired.
Purity	Hydrous aluminium silicate comprised principally of the clay mineral montmorillonite. Contains minor amounts of feldspar, calcite, and quartz.
Chemical Formula	Dioctahedral smectite, an expanding layer silicate: $(Na,Ca)_{0.33}(Al_{1.67}Mg_{0.33})Si_4O_{10}(OH)_2 \cdot nH_2O$
Moisture	14% max as shipped
C.E.C	80 – 92 meq / 100g.
Brightness	L= 86 min a = -1.4 to +1.2 b = 7 max
Dry Particle Size	Minimum 90% passing 300 mesh (53 micron)

Elemental Analysis (Moisture Free)

SiO_2	68.30%	Al_2O_3	16.92%
Fe_2O_3	1.34%	MgO	3.31%
CaO	0.97%	Na_2O	0.85%
K_2O	1.05%	LOI	7.06%

Packaging	Multi-wall paper bags (25 kg), Big Bags or bulk