

QPC 200

Application: Industrial Pure-White Calcium Bentonite

TYPICAL ANALYSIS

General Description	QPC-200 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. This product is also suitable for slurring.																
Purity	Hydrous aluminium silicate comprised principally of the clay mineral montmorillonite. Contains minor amounts of feldspar, calcite, and quartz.																
Chemical Formula	Diocahedral smectite, an expanding layer silicate: $(\text{Na,Ca})_{0.33}(\text{Al}_{1.67}\text{Mg}_{0.33})\text{Si}_4\text{O}_{10}(\text{OH})_2 \cdot n\text{H}_2\text{O}$																
Moisture	14% max as shipped. Bespoke slurring of QPC-200 is also available																
C.E.C	80 – 92 meq / 100g.																
Brightness	L = 86 min a = -1.4 to +1.2 b = 7 max																
Dry Particle Size	Minimum 85% passing 200 mesh (75 micron).																
Elemental Analysis (Moisture Free)	<table border="0"> <tr> <td>SiO₂</td> <td>68.30%</td> <td>Al₂O₃</td> <td>16.92%</td> </tr> <tr> <td>Fe₂O₃</td> <td>1.34%</td> <td>MgO</td> <td>3.31%</td> </tr> <tr> <td>CaO</td> <td>0.97%</td> <td>Na₂O</td> <td>0.85%</td> </tr> <tr> <td>K₂O</td> <td>1.05%</td> <td>LOI</td> <td>7.06%</td> </tr> </table>	SiO ₂	68.30%	Al ₂ O ₃	16.92%	Fe ₂ O ₃	1.34%	MgO	3.31%	CaO	0.97%	Na ₂ O	0.85%	K ₂ O	1.05%	LOI	7.06%
SiO ₂	68.30%	Al ₂ O ₃	16.92%														
Fe ₂ O ₃	1.34%	MgO	3.31%														
CaO	0.97%	Na ₂ O	0.85%														
K ₂ O	1.05%	LOI	7.06%														
Packaging	Multi-wall paper bags (25 kg), Big Bags or bulk																

The information and data contained herein are believed to be accurate and reliable. AMCOL Specialty Minerals makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.