

QPN 200

Application: Industrial Pure-White Modified Calcium Bentonite

TYPICAL ANALYSIS

General Description	QPN-200 is a high cation exchange capacity, pure white, swelling and gelling activated Calcium Bentonite								
Functional Use	Household and industrial applications where moderate 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	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								
C.E.C	70 – 80 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 68.30%</td> <td>Al₂O₃ 16.92%</td> </tr> <tr> <td>Fe₂O₃ 1.34%</td> <td>MgO 3.31%</td> </tr> <tr> <td>CaO 0.97%</td> <td>Na₂O 0.85%</td> </tr> <tr> <td>K₂O 1.05%</td> <td>LOI 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%
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K ₂ O 1.05%	LOI 7.06%								
Packaging	Multi-wall paper bags (25 kg), Big Bags or bulk								

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