

FULCAT 200

Clay Catalyst and Adsorbent

Product Data

Special Features and Benefits

FULCAT 200 is a refined natural Montmorillonite clay catalyst and adsorbent. The natural clay structure provides Lewis and Brønsted acid sites that together with a moderate surface area make FULCAT 200 suitable for acid catalysed reactions where high levels of acidity are disadvantageous. It is particularly suitable to the dimerisation of Tall Oil fatty acids. Control of clay quality and the clay refining process ensures that FULCAT 200 provides excellent and reproducible performance.

Typical Properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Free Water wt%:	11.0 ± 3.0
Particle Size, 10 % less than (µm):	4.0 Minimum
Particle Size, 50 % less than (µm):	27.5 ± 7.5
Particle Size, 90 % less than (µm):	90 Maximum
Chemical Composition (Dry Basis) SiO ₂ :	58 %
Chemical Composition (Dry Basis) Al ₂ O ₃ :	17 %
Chemical Composition (Dry Basis) Fe ₂ O ₃ :	8.1 %
Chemical Composition (Dry Basis) MgO:	3.6 %
Chemical Composition (Dry Basis) Na ₂ O:	0.4 %
Chemical Composition (Dry Basis) Loss on Ignition:	7.0 %
Cation Exchange Capacity, CEC meq 100g ⁻¹ :	90
Porosimetry, Surface Area m ² g ⁻¹ :	100
Porosimetry, Pore Volume cm ³ g ⁻¹ :	0.1
Bulk Density, Fully Settled kg m ⁻³ :	1120

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