

# FULCAT 220

## Clay Catalyst and Adsorbent

### Product Data

#### Special Features and Benefits

FULCAT 220 is an acid activated Montmorillonite clay catalyst and adsorbent. Acid activation of the natural clay structure develops enhanced Lewis and Brönsted acid sites together with a high surface area that combine to be suitable for a wide range of acid catalysed reactions. The high surface area of FULCAT 220 also delivers a product with excellent adsorption properties

#### Typical Properties

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

Free Water wt%:	6.0 ± 3.0
Particle Size, 10 % less than (µm):	5.0 Minimum
Particle Size, 50 % less than (µm):	50 ± 10
Particle Size, 90 % less than (µm):	120 Maximum
Acidity, pH of 2 % dispersion:	2.9 ± 0.2
Chemical Composition (Dry Basis) SiO <sub>2</sub> :	64 %
Chemical Composition (Dry Basis) Al <sub>2</sub> O <sub>3</sub> :	15 %
Chemical Composition (Dry Basis) Fe <sub>2</sub> O <sub>3</sub> :	6.0 %
Chemical Composition (Dry Basis) MgO:	2.9 %
Chemical Composition (Dry Basis) Na <sub>2</sub> O:	0.3 %
Chemical Composition (Dry Basis) Loss on Ignition:	7.5 %
Acidity, Acid Value mg KOH g <sup>-1</sup> :	28
Porosimetry, Surface Area m <sup>2</sup> g <sup>-1</sup> :	240
Porosimetry, Pore Volume cm <sup>3</sup> g <sup>-1</sup> :	0.3
Bulk Density, Fully Settled kg m <sup>-3</sup> :	880

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