



Fulcat® 435

Clay Catalyst and Adsorbent

Product Description

Fulcat® 435 is an acid activated clay catalyst and adsorbent. Acid activation of the natural clay structure develops Lewis and Brønsted acid sites and a high surface area useful in a wide range of acid catalysed reactions. The low iron content of **Fulcat® 435** provides improved specificity in some reactions, whilst the high surface area of **Fulcat® 435** also delivers a product with excellent adsorption properties.

Specification

<u>Free Water</u>	wt%	10.0 ± 2.0
<u>Particle Size</u>		
10% less than	µm	2.5 Minimum
50% less than	µm	25 ± 10
90% less than	µm	100 Maximum
<u>Acidity</u>		
pH of 2% dispersion	-	3.6 ± 0.4

Technical Information (Typical Data)

<u>Chemical Composition (Dry Basis)</u>		
SiO ₂	wt%	69
Al ₂ O ₃	wt%	14
Fe ₂ O ₃	wt%	1.2
MgO	wt%	2.7
Na ₂ O	wt%	0.4
Loss on Ignition	wt%	9.5

<u>Acidity</u>		
Acid Value	mg KOH g ⁻¹	14
<u>Porosimetry</u>		
Surface Area	m ² g ⁻¹	300
Pore Volume	cm ³ g ⁻¹	0.4
<u>Bulk Density</u>		
Fully Settled	kg m ⁻³	720

Packaging

Fulcat® 435 is available in the following packs;

20kg multiwall paper sacks, shrink-wrapped on pallets
 500kg and 1000kg Intermediate Bulk Containers
 Bulk road tankers containing up to 26 tonne.

Issue : March 2012

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