

FULCAT 22B

Clay Catalyst and Adsorbent

Product Data

Special Features and Benefits

FULCAT 22B 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. Unique processing technology makes FULCAT 22B particularly suitable in more demanding catalytic applications. The high surface area of FULCAT 22B 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 ± 2.0
Particle Size, 10 % less than (µm):	7.5 Minimum
Particle Size, 50 % less than (µm):	50 ± 7.5
Particle Size, 90 % less than (µm):	100 Maximum
Acidity pH of 2 % dispersion:	2.85 ± 0.15
Chemical Composition (Dry Basis) SiO ₂ :	64 %
Chemical Composition (Dry Basis) Al ₂ O ₃ :	15 %
Chemical Composition (Dry Basis) Fe ₂ O ₃ :	6.0 %
Chemical Composition (Dry Basis) MgO:	2.9 %
Chemical Composition (Dry Basis) Na ₂ O:	0.3 %
Acidity, Acid Value mg KOH g ⁻¹ :	28
Porosimetry, Surface Area m ² g ⁻¹ :	250
Porosimetry, Pore Volume cm ³ g ⁻¹ :	0.3
Bulk Density, Fully Settled kg m ⁻³	880

BYK-Chemie GmbH
 P.O. Box 10 02 45
 46462 Wesel
 Germany
 Tel +49 281 670-0
 Fax +49 281 65735

info@byk.com
www.byk.com/additives

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