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Fulcat

Product Range Summary

The Fulcat product range comprises a series of clay catalysts based on the natural clay mineral montmorillonite. The range includes both refined natural clay products and acid activated derivatives of these. Acid activation facilitates the development of significant surface area and pore volume in conjunction with catalytically active acid sites of both Brönsted and Lewis types. By selection of the natural clay and processing conditions products have been developed exhibiting a range of Surface Area, Pore Volume and Acid Site distributions providing catalysts suitable for a wide range of acid catalysed applications.

Typical Characteristics

		200	220	230	240	400	435
Type		Natural	Acid Activated	Acid Activated	Acid Activated	Natural	Acid Activated
Chemical Composition							
SiO₂	wt%	57.6	61.2	66.2	70.0	59.1	69.3
Al₂O₃	wt%	16.9	13.9	11.9	7.9	18.7	15.2
Fe₂O₃	wt%	8.1	5.9	4.7	4.2	2.0	1.8
Loss on Ignition	wt%	7.0	8.5	9.5	10.0	9.5	9.0
Free Water	wt%	11.0	6.0	6.0	6.0	12.0	12.0
Surface Area	m ² /g	100	190	400	430	80	350
Pore Volume	cm ³ /g	0.1	0.3	0.5	0.55	0.10	0.4
pH (2% Slurry)		8.9	2.9	3.0	3.1	8.0	3.5
Particle Size							
d₁₀	µm	5.0	7.5	7.0	6.0	5.0	3.5
d₅₀	µm	25	40	35	30	20	25
d₉₀	µm	75	80	75	65	75	75

For additional information or technical assistance contact Southern Clay Products, Inc. toll free at 800-324-2891.

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