

FULCAT-22 B

Acid-leached phyllosilicate catalyst specifically designed for Lewis acid-catalyzed Friedel-Crafts alkylation/acylation reactions.

Product data

Composition

Acid-leached phyllosilicate

Typical properties

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

Loose bulk density:	890 kg/m ³
pH value (2 % in H ₂ O):	2.8
Moisture content:	6 %
Particle size distribution D10:	10 µm
Particle size distribution D50:	65 µm
Surface area:	230 m ² /g
Acid value:	30 mg KOH/g
Appearance:	grey/green powder

Storage and transportation

FULCAT-22 B should be transported and stored dry in the unopened original packaging with good ventilation.

Applications

Catalysis

Special features and benefits

Acid activation of the natural phyllosilicate structure develops enhanced Lewis and Brønsted acid sites that combine to deliver catalytic activity across a wide range of acid-catalyzed reactions. FULCAT-22 B is particularly recommended for Friedel-Crafts alkylation/acylation reactions, for example in the production of phenolic and aminic anti-oxidants for use in the automotive and rubber industries. Close control of the particle size distribution of FULCAT-22 B, and in particular the fine particle content, deliver an excellent filtration characteristic for downstream separation.



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This issue replaces all previous versions.