TECHNICAL DATA SHEET

ULTRA-CLEAR®

Clarification Media

Ultra-Clear® is a high-performance adsorbent media that removes polar compounds in jet fuel to assure it meets product specifications such as thermal stability, microseparometer, and water reaction. Ultra-Clear granules have a large, highly active surface area that adsorbs oil soluble surfactants, organometallic compounds such as copper-complexes, and particulate matter that would jeopardize jet fuel specifications.

The attributes that make Ultra-Clear granules a high-performance jet fuel treatment solution readily lend themselves to other applications. Ultra-Clear effectively removes color bodies, surfactants, water, free fatty acids, organic oxides, and other polar contaminants from a wide range of oils, liquids, and waxes.

Mineral Description

Ultra-Clear from Ochlocknee, Georgia is a high performance Attapulgite mineral. Its low bulk density and high absorptivity allows higher liquid holding capacity. Our mineral processing maximizes the granule's micropore space. Heat treatments result in a hard, inert granule with a high resistance to attrition.

Product Options

Ultra-Clear granules are available in three standard mesh sizes for use in fixed-bed clay treaters or clay-packed filter cartridges (bags or cloth).

Typical Analysis

Compound	% wt.
SiO_2	70.85
Al_2O_3	14.06
MgO	5.71
Fe_2O_3	5.34
CaO	1.62
K_2O	1.30
P_2O_5	0.84
Na_2O	0.25
SO_3	0.03
Total	100.00

Typical Properties

8/16 MESH	16/30 MESH	30/60 MESH	
31	32	32	Density lbs./ft³
1.0	1.0	1.0	Free Moisture
LVM	LVM	LVM	Volatile Classification
4.6	4.6	4.6	Loss on Ignition wt%
6.7	6.7	6.7	pH
76.0	71.7	78.2	Hardness
0.4	1.6	8.8	Particles million/lb.

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