

Supreme B81



Pure-Flo® Supreme B81 bleaching adsorbent

Offers fats and oils processors surface modified performance at the best value. Excellent for oils with moderate color and chlorophyll levels.

TYPICAL PROPERTIES

Free Moisture, wt.% @ 105°C	15.5%
pH (5% solids in D.I.H ₂ O)	4.4
Tamped Density	43.0 lbs./ft ³ 688 g/l

PARTICLE SIZE

U.S. Standard Sieve:	
Through 325 Mesh (Less than 45 Microns) wt. %	77.0%

REGULATORY APPROVALS

All Pure-Flo products are classified as processing aids and have Generally Recognized As Safe (GRAS) status from the Food and Drug Administration (FDA).

PACKAGING AND TRANSPORTATION

Pure-Flo Supreme B81 is available in bulk or a variety of bag sizes. Shipments are made by truck, rail or shipping container. Packaged product is palletized and unitized. Oil-Dri can arrange for transportation or customer pickup. Point of origin is Ochlocknee, Georgia, U.S.A.

Note: The properties outlined above represent typical values for this product. They are not designed to convey absolute product specifications.

The information in this data sheet is believed to be accurate. However, each purchaser should make its own test to determine the suitability of the product for its purposes. Oil-Dri makes no warranty, express or implied, with respect to the product and assumes no responsibility for any risk or liability arising from the use of this product information.

Pure-Flo Supreme B81

Your Best Surface Modified Value

Excellent Metals Removal

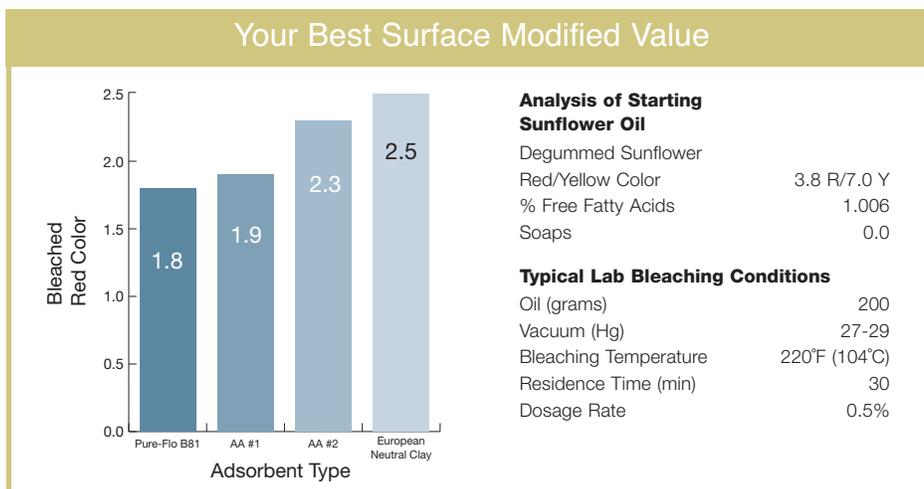
Processing Flexibility

Pure-Flo® Supreme B81 bleaching adsorbent

Pure-Flo Supreme B81 adsorbent has been activated using a proprietary Surface Modification Technology (SMT). Our raw material is an intergrowth of hormite and smectite minerals which have unique adsorption and filtration characteristics. SMT processing, combined with the natural qualities of these minerals, produces an active, fast-filtering product.

Providing Quality Sorbent Products and Services to Our Purification Partners Worldwide

Your Best Surface Modified Value



Analysis of Starting Sunflower Oil

Degummed Sunflower	
Red/Yellow Color	3.8 R/7.0 Y
% Free Fatty Acids	1.006
Soaps	0.0

Typical Lab Bleaching Conditions

Oil (grams)	200
Vacuum (Hg)	27-29
Bleaching Temperature	220°F (104°C)
Residence Time (min)	30
Dosage Rate	0.5%

PERFORMANCE FEATURES AND BENEFITS

- Excellent metals adsorption characteristics (P, Ca, Fe, Mg, Ni, etc.)
- Removes color bodies from a variety of oils and effectively eliminates chlorophyll from vegetable oils
- Removes soaps and phospholipids
- Minimizes free fatty acid rise during bleaching
- Outstanding filtration characteristics, including long filtration cycles and less pressure build up at cycle end

SUGGESTED PROCESSING APPLICATIONS

- Physical refining of palm oil
- Multi-oil processing with a single bleaching product that offers a balance of activity and filtration
- Color removal from corn, cottonseed, tallow and other oils

TECHNICAL SERVICE AND SUPPORT

The Fluids Purification Group surrounds its customers with the best products and services. Technical support includes accessibility to Oil-Dri’s research and development group and our state-of-the-art testing facilities, in-plant trials and a wealth of industry expertise. Oil-Dri recognizes that equipment, procedures and conditions interact with crude oil type and quality to make every process unique, and we’ll help you optimize your processes and products.

Oil-Dri works with local agents in over 50 countries around the world to deliver the quality service you expect.

Contact us today to see how we can improve your bleaching process.

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