

PRODUCT DESCRIPTION

PUROLITE[®] **PD206** is a dry polishing media specifically formulated for removing by-products remaining after transesterification to produce biodiesel.

PUROLITE PD206 is designed for use in “purification” vessels installed after phase separation. Point of use can either be before demethylation to remove catalyst and glycerin and prevent back reactions or after demethylation as a “final” polishing step. This media may replace magnesium silicate “wash” and water wash. **PUROLITE PD206** improves plant productivity and lowers operation costs while enabling ASTM or EN specifications for B100 to be achieved.

PUROLITE PD206 has a long life before exhaustion. This life is dependent upon the point of installation in the biodiesel process and on the level of impurities in the untreated biodiesel. **PUROLITE PD206** functions both as a dehydrating (desiccant) media and as an ion exchange polishing media. As a desiccant **PUROLITE PD206** has a high loading capacity to absorb free glycerin. Trace methanol and water although being absorbed to a limited degree should be removed by stripping in the demethylation column. Additionally the exceptional exchange capacity removes residual catalyst, and salts that remains after phase separation.

PUROLITE PD206 is flowable both in the dry form and when exhausted, making it easy to handle during installation and removal from “purification” vessels. **PUROLITE PD206** is fully compatible for use in methyl ester and ethyl ester purification processes.

PUROLITE PD206 can be washed with methanol on site several time to maintain it's ability to remove glycerin. However it must be ionically regenerated to maintain the ability to remove trace catalyst and soaps. Consult your Purolite representative for availability and details.

The actual life of **PUROLITE PD206** will vary depending on process designs and operating characteristic of methyl ester feed quality.

Once **PUROLITE PD206** is ready for disposal, it should be disposed of in approved landfills or facilities according to local regulations. Check with your local waste management company for proper disposal instructions.

Typical Physical & Chemical Characteristics	
Appearance	Hard Spherical beads
Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Functional Group	Sulfonic Acid
Ionic Form as shipped	Hydrogen
Moisture Retention (H ⁺ form)	3% max.
Specific Gravity	1.2 g/ml
Shipping Weight	800 – 830 g/l (50 – 52 lbs/ft ³)
Temperature Limit (Stability)	150 °C (300 °F)

For more information please visit www.purolite.com

USA

Telephone: (1) 610-668-9090
Fax: (1) 610-668-8139
Email: info@puroliteusa.com

Europe

Telephone: +44 1443 229334
Fax: +44 1443 227073
Email: sales@purolite.com

Asia Pacific

Telephone: +86 571 876 31385
Fax: +86 571 876 31385
Email: pultalan@purolitechina.com