

Technical Data

PRODUCT DESCRIPTION

PUROLITE[®] PD 206 is a dry polishing media specifically formulated to remove by-products remaining from the transesterification process to produce methyl ester or B100.

PUROLITE[®] PD 206 is designed preferably for use in “purification” vessels installed after the phase separation and demethylation stage. PUROLITE[®] PD 206 can also be installed after phase separation and before the demethylation step to remove catalyst and glycerin and prevent back reactions, which form mono and di-glycerides. This media replaces magnesium silicate “wash” and may reduce or replace water wash. PUROLITE[®] PD 206 improves plant productivity and lowers operation costs while enabling ASTM or EN specifications for B100 to be achieved.

PUROLITE[®] PD 206 has a long life before exhaustion processing up to 2000 lb of B100 per pound of dry media depending on the level of impurities in the untreated biodiesel. PUROLITE[®] PD 206 functions both as a dehydrating (desiccant) media and as an ion exchange polishing media. As a desiccant PUROLITE[®] PD 206 has a high loading capacity to adsorb free glycerin and trace methanol and water. Additionally the exceptional exchange capacity removes residual catalyst, and salts that may remain after phase separation.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Hard spherical beads
Moisture Content as received	<3 %
Shipping Weight	800-830 gm/liter (50-52 lbs/ft ³)
Specific Gravity	1.20
Chemical Resistance	Insoluble in all common solvents
Operating Temperature	<300 °F (150 °C)

PUROLITE[®] PD 206 is flowable both in the dry form and when exhausted, making it easy to handle during installation and removal from “purification” vessels. PUROLITE[®] PD 206 is fully compatible for use in methyl ester and ethyl ester purification processes.

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The actual life of PUROLITE® PD 206 will vary depending on process designs and operating characteristic of methyl ester feed quality. Once media is exhausted PUROLITE® PD 206, which is non-hazardous, should be disposed of in approved landfills. Check with your local waste hauler for proper disposal instructions.

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