

Technical Data Sheet

Eastman™ Membrane Material M300

Chemical Synonym

Cellulose Triacetate

Applications

- Liquid filtration non-woven
- Natural gas purification

Product Description

Eastman membrane material M300 is a high-viscosity, high molecular weight cellulose triacetate. It is supplied as fine, dry, free-flowing powder. The powder is free from coarse particles and excessive fines. Its high purity permits manufacturing of membranes with fewer defects in the separating layer of the membrane, especially for osmotic and gas filtration applications.

Typical Properties

Property ^a	Test Method ^b	Typical Value, Units ^c
Color	TECE-A-CL-G-VIS-46	38
Viscosity	ASTM Method D 1343	sec
Melting Point		270-300 °C
Bulk Density		760 kg/m ³
Specific Gravity		1.34
Moisture Content	TECE-A-CL-G-CA-55	1.5 % max
Hydroxyl Content	TECE-A-CL-G-NIR-18	0.8 %
Acetyl Content	TECE-A-CL-G-NIR-18	43.6 %

^aUnless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.

^bUnless noted otherwise, the test method is ASTM.

^cUnits are in SI or US customary units.

Comments

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

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