

Evonik Corporation VESTOWAX® AE 2 Polyethylene Wax

Category : Polymer

Material Notes:

VESTOWAX is synthetic waxes produced essentially by two different processes, the Ziegler polymerization and the Fischer-Tropsch process. The Ziegler polymerization of ethylene synthesizes polyethylene waxes with different densities and molecular weights depending on the preparation conditions. The Fischer Tropsch process yields straight chain products possessing low viscosity in the melt and having molecular weights between 500 and 1000g/mol. This formulation is a wax ester.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-Corporation-VESTOWAX-AE-2-Polyethylene-Wax.php

Physical Properties	Metric	English	Comments
Density	0.960 g/cc @Temperature 23.0 °C	0.0347 lb/in ³ @Temperature 73.4 °F	DIN 53 479
Viscosity	<= 250 cP @Temperature 120 °C	<= 250 cP @Temperature 248 °F	DIN 52 007/1

Mechanical Properties	Metric	English	Comments
Penetration	2.0 - 4.0	2.0 - 4.0	number in mm, 10-1; DGF M-III 9b

Thermal Properties	Metric	English	Comments
Dropping Point	103 - 110 °C	217 - 230 °F	DGF M-III 3

Chemical Properties	Metric	English	Comments
Total Acid Number	<= 10	<= 10	mg KOH/g; DGF M-IV 2

Descriptive Properties	Value	Comments
Color	pale yellow	
Saponification Number [mg KOH/g]	39-46	DGF M-IV 2

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