

Evonik Corporation Vestamelt® X1316 Copolyamide Development Hotmelt Adhesive

Category : Polymer , Adhesive , Thermoplastic , Nylon

Material Notes:

Description: High Performance Polymers manufactures a line of customized hotmelt adhesives. They are supplied as powders and granulates under the trade name VESTAMELT®. Used in a variety of industries, they provide all applications with a good balance of high-quality service properties, easy and reliable processing, and high cost-effectiveness. VESTAMELT® features the following special properties: economic bonding, also to sensitive textiles and surfaces that are difficult to fuse, high resistance to washing and dry cleaning, good resistance to strike back steam, solvent resistance. VESTAMELT® powders or granulates can be applied to substrates by means of typical processes. VESTAMELT® hotmelt adhesives are used in various application fields: In the textile industry they bond interlinings in women's and men's garments. In addition, they are successfully used in technical textile manufacturing. The automotive industry uses the thermoplastic hotmelt adhesives to fix interior trim and seat heaters on the one hand, on the other hand for the reliable bonding of paper to aluminum for the construction of fuel filters. Copolyamide hotmelt adhesives permit cost-effective manufacture of advanced components as windows, ceilings, carpets and acoustic insulation systems with lightweight panels. To make deflection yokes, insulated wires are coated with hotmelt varnishes and bonded together. The dimensionally stable coils obtained in this way find application in the electrical industry. Information provided by degussa.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-Corporation-Vestamelt-X1316-Copolyamide-Development-Hotmelt-Adhesive.php

Physical Properties	Metric	English	Comments
Viscosity Measurement	1.5	1.5	Solution Viscosity
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 160 °C	20 g/10 min @Load 4.76 lb, Temperature 320 °F	increase in molecular weight is possible above 150°C

Thermal Properties	Metric	English	Comments
Melting Point	120 °C	248 °F	Kofler Bar Tack Point
	123 °C	253 °F	DSC Melting Point
	135 °C	275 °F	Kofler Bar Melting Point
	135 °C	275 °F	Optical Melting Point

Descriptive Properties	Value	Comments
Heat Setting Pressure	3-5 N/cm ²	
Heat Setting Temperature	130-150°C	crosslinking starts at 160°C, temperature action takes at least 30 s
Heat Setting Time	10-60 seconds	

Resistance to Dry Cleaning Descriptive Properties	Very Good Value	Comments
Resistance to Steam	Very Good	
Resistance to Washing at 60°C	Very Good	
Supply Form	Powder	

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