



DANPOL[®] PES-920

DESCRIPTION

DANPOL[®] PES-920 is a hot melt copolyester adhesive in the form of irregular pellets. The adhesive shows an excellent adhesion to various substrates, including many textile composites or nonwovens, at a low temperature of 120 °C. When used as a textile adhesive, it is resistant to washing and cleaning at temperatures up to approx. 70 °C.

PRODUCT CHARACTERISTIC

	Values	Method
Form	irregular granules	
Melting point	110 – 120 °C	R&B
Melt viscosity at 160 °C at 180 °C at 200 °C	650.000 mPa.s 320.000 mPa.s 130.000 mPa.s	Brookfield Thermosel
MFI (Melt Flow Index) at 140 °C at 160 °C at 180 °C	5,5 g/10 min 14 g/10 min 29 g/10 min	DIN 53735
Tensile strenght	275 kg/cm ²	
Elongation at break	530 %	ASTM D 638M
Glas transition temperature	16 °C	
Specific weight at 20 °C	1,28	
Solubility	While DANPOL PES-920 can be dissolved to a limited extent in warm chlorinated solvents such as methylene chloride, it is insoluble in most organic solvents.	

APPLICATION

When processing DANPOL[®] PES-920 using conventional hot melt systems, the temperature depends on the system. Ideally, the processing temperature is between 185-205 °C. Generally, storage at too high temperatures leads to thermal decomposition, especially when exposed to air. For this reason, the temperature settings of the application system should be lowered if the machine is stopped for a long period of time and the use of a pre-melter is recommended.

PROCESSING

DANPOL[®] PES-920 can be easily processed on classic hot melt processing systems or using extrusion coating systems. A processing, where the granules are pre-plasticized by an extruder, is always optimal.



STORAGE

If stored properly and dry at temperatures of 5 - 25 °C in the original packaging, the shelf life of this product is at least 6 months. Keep away from moisture.

PRODUCT SAFETY

DANPOL® PES-920 is free of toxic ingredients, but should be handled according to the standards described in the safety data sheet.


PACKAGING


500 kg pallets with 25 kg bags. The product can also be delivered in 500 kg bigbags.



DANQUINSA
GMBH

STÖRRENSTR.30
72135 DETTENHAUSEN
GERMANY

 : +49 (0)7157 5225-0

 : +49 (0)7157 5225-22

 : info@danquinsa.com

WWW.DANQUINSA.COM

Postfach 147
72133 DETTENHAUSEN
GERMANY

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