



DANPOL PES-110ECO

DESCRIPTION

DANPOL PES-110ECO is a copolyester manufactured with a high proportion of renewable raw materials (40%). Biodegradability and compostability have been successfully tested according to ASTM D6400 and DIN EN 14855.

Applications samples: direct extrusion coating, hot melt processing for lamination and bonding, and the production of thermoplastic adhesive powders.

PRODUCT CHARACTERISTIC

	Values	Method
Type	Copolyester	
Appearance/Form	Granule, white	
Melting point (DSC)	100 – 120 °C	DIN 53765
Melt Flow Rate (MFR)	14 g/10 m (160°C/2,16kg)	DIN ISO 1133
Recommended processing temperature	135 – 155 °C	
Viscosity number	90 cm ³ /g	DIN 53728
Viscosity	~ 800 Pa.s	Brookfield at 160 °C

APPLICATION

DANPOL PES-110ECO is a thermoplastic copolyester hot melt adhesive for a wide range of bonding and laminating applications. DANPOL PES-110ECO achieves excellent adhesion when laminating textiles with varying structures, plastic and aluminum foils, and cardboard substrates. The product is also well-suited for bonding various leather grades in the production of shoe and bag materials. DANPOL PES-110ECO is suitable for extrusion and conventional hot melt processing.

Thermoplastic adhesive films can also be produced with DANPOL PES-110ECO. It can also be readily converted into a powder for subsequent powder coating.

PROCESSING

DANPOL PES-110ECO can be easily processed on conventional hot melt processing lines or extrusion coating lines. Cold grinding into powders of varying particle sizes is also readily achievable.

COMPATIBILITY

DANPOL PES-110ECO is compatible with other copolyesters in the DANPOL series. For the production of special hot melt adhesives, the addition of various natural and synthetic resins is also possible.

STORAGE

To maintain optimal product quality, DANPOL PES-110ECO should be stored in its sealed container for a maximum of 12 months. Cool and dry storage conditions are strongly recommended. Protect from sunlight and moisture.



PRODUCT SAFETY

DANPOL PES-110ECO is a largely harmless substance under normal, hygienic processing conditions. Please note that polyester strands can cause electrostatic sparking. When processing larger quantities in molten metal, ensure adequate extraction of the molten fumes.

* For further information, please refer to our safety data sheet.


PACKAGING


25 kg bags, 500 kg and 1.000 kg bigbags.




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