



## DANPOL® PES-F-150

### DESCRIPTION

DANPOL® PES-F-150 is a copolyester adhesive in form of granules with a strong tendency to crystallize. This type was developed specifically for applications as a highly resistant filter adhesive or technical adhesive with high hydrolysis resistance.

DANPOL® PES-F-150 is specially developed for the application of fuel filters with improved diesel and bio-diesel resistance. DANPOL® PES-F-150 can also be ground into powder for powder coatings at high sintering temperatures.

### PRODUCT CHARACTERISTIC

	Values	Method
Type	Copolyester	
Appearance	Granule	
Specific weight	1,25 g/cm <sup>3</sup>	acc. DIN 53.479
Melting viscosity	~55 Pa.s	BROOKFIELD Thermosel @ 232 °C
Softening range (R&B)	150 °C	
Softening range (DSC)	140 °C	
Melting range	145 °C	DSC
Melt index (MFR) 180 °C	~90 g/10min.	
Hydroxyl number	3 -5 mg KOH/g	
Acid number	< 3 mg KOH/g	
Open time	< 9 sec.	

### APPLICATION

DANPOL® PES-F-150 is intended for use in the area of air, oil and fuel automotive filters, especially in the area of diesel fuels and bio-based fuels.

### PROCESSING

DANPOL® PES-F-150 can be easily processed on classic hot melt processing systems or using extrusion coating systems.

### COMPATIBILITY

DANPOL® PES-F-150 is well compatible with the other copolyesters in the DANPOL® series. It is also possible to add different natural and synthetic resins to produce special hot melt adhesives.



## STORAGE

If correctly stored in a dry place at room temperature (below 30 °C) and in its original packing, this product can be stored 12 months at least. A moist product can lead to embrittlement of the adhesive film, especially during the later processing of the adhesive.

## PRODUCT SAFETY

Under normal hygienic working conditions, DANPOL® PES-F-150 is a largely non-dangerous material. Please note that polyester strands can cause electrostatic sparking. When processing larger quantities of melt, good extraction of the melt fumes must be ensured.

\* For further data, please refer to our Safety Data Sheet.

## PHYSIOLOGICAL CHARACTERISTICS

DANPOL® PES-F-150 may be used for bonding food packaging according to recommendations from the BGA (Federal Health Office and FDA (Food and Drug Administration)). The conditions specified in the recommendations must be adhered to.


## PACKAGING


500 kg pallets/25 kg bags. Alternatively, the product can also be delivered in 500 kg big bags.



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