

DANADD[®] MB-5 I BK

DESCRIPTION

DANADD[®] MB-51BK is a TPU based anti-block and matting batch. It is added to TPU granules of various chemical structures in order to achieve anti-block properties during processing and to achieve a matt, non-sticky surface on the manufactured parts.

PRODUCT CHARACTERISTIC

	Values	Method
Product form	Pellets	
Carrier	TPU (polyester)	
Additives	slip agent + antiblock	
Additives content	50 %	
Addition rate	2 % to 5 %	
Specific gravity	1,35	DIN 53.479
Thermal stability	240 °C	

APPLICATION

DANADD[®] MB-51BK prevents the blocking effect during extrusion. In the injection molding process, better demolding is achieved by adding this additive batch. In the case of TPU films, adding this additive batch can reduce the blocking resistance during extrusion and improve the sliding properties of the films produced when winding and unwinding. The addition of the additive batch reduces the gas barrier and changes the optical properties of the TPU parts. If larger quantities are added, the TPU materials produced achieve matt surface properties.

PROCESSING

DANADD[®] MB-51BK is primarily used as a matting and antiblock masterbatch. DANADD[®] MB-51BK is naturally added to the classic PEARLTHANE[®] TPUs to achieve these properties. The addition also increases resistance to microorganisms. This also improves the general resistance to aging, reduces odor development and improves hygiene properties. We recommend adding 2 – 5 % of this TPU additive masterbatch to the classic TPUs. If higher quantities are added, we recommend carrying out appropriate preliminary tests.

GENERAL KEY CHARACTERISTICS

This masterbatch facilitates the extrusion process and film handling, winding and unwinding, by reducing the coefficient of friction of the film. In extreme conditions of use problems with printing or welding may be encountered. The optimal dosage needs to be determined by trials. It is recommended to dry the masterbatch prior to use. Typical moisture content should be below 0,03 %.

COMPATIBILITY

DANADD[®] MB-51BK has got a good compatibility with any other DANADD[®] MB-additive and colour masterbatches. If the quantities to be used exceed our recommendations, we advise to make preliminary tests.

STORAGE

In case of an adequate storage in a dry and cool place and in its original packing, this additive masterbatch can be stored for a period of 12 months at least. The product must be protected from moisture.



PRODUCT SAFETY

Under normal hygienic procession conditions, DANADD® MB-51BK is harmless to a large extent. Please observe that TPU pellets may cause electrostatic sparks. If larger quantities are processed in the melt, a good extraction of the melt vapours has to be guaranteed.

* For further details we refer to our safety data sheet.

PACKAGING

25 kg bags.



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