

DANADD® MB-51 UV

DESCRIPTION

DANADD® MB-51UV is a high-grade anti UV masterbatch based on TPU. This UV masterbatch is added to the PEARLTHANE® TPU's in order to reduce resp. to prevent the discoloration due to UV-radiation. DANADD® MB-51UV can be applied both for extrusion and for injection moulding. Furthermore, DANADD® MB-51UV can be used as an anti UV (protective) additive for polyester and polyether TPU's.

PRODUCT CHARACTERISTIC

	Values	Method
Aspect	regular, homogeneous and lightly brown compounded pellets	
Active content	22,5 ± 2 %	MQSA no.: 39a
Specific weight	1,20 g / cm ³ at 20 °C	DIN 53.479

APPLICATION

DANADD® MB-51UV is added to the PEARLTHANE® TPUs which are used for the processing by extrusion and injection moulding. DANADD® MB-51UV is mainly added to articles requiring a high UV-protection. The main application of this product is in the field of transparent films and materials which are exposed to solar irradiation. 2 to 5 % of DANADD® MB-51UV are added to the TPU-pellets. In case of procession by extrusion and injection moulding, the compounds of TPU pellets and UV masterbatches shall not be processed at a temperature exceeding 240 °C.

PROCESSING

DANADD® MB-51UV is homogeneously compounded with the TPUs to be processed. We recommend to add 2 % to 5 % of the product. The amount added depends on the individual TPU type. If larger quantities are applied, we recommend to make preliminary tests. In order to achieve a homogeneous compounding with the TPU pellets, we recommend a compounding by a tumble mixer resp. by another mixing unit. A metering by a color masterbatch metering equipment is also possible.

COMPATIBILITY

DANADD® MB-51UV has got a good compatibility with any other DANADD® MB-additive and color masterbatch. 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 6 months at least. The product must be protected from moisture.

PRODUCT SAFETY

Under normal hygienic procession conditions, DANADD® MB-51UV 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 on pallets of 750 kg. The shipment on 750 kg pallets with a marked PE shrink wrapping foil meets the requirements of the German transport packaging regulations.



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