

DANCOLOR® MB-1003

DESCRIPTION

DANCOLOR® MB-1003 is a colour masterbatch based on TPU which will be delivered in regular yellow coloured granules. This colour concentrate is mainly used for the colouring of thermoplastic polyurethanes (based on polyester or polyether) for extrusion, injection moulding and for calender processing.

PRODUCT CHARACTERISTIC

	Values	Test method
Density	0,75 g/cm ³	ASTM D-1875
Colour index no.	RAL 1003	
Light fastness	7 - 8 (1-8) blue scale	DIN 53 389
Chromatic values	a.- 2,49 b.- 77,55 L.- 80,63	CIELAB (D65, 10 deg)

These are values which are not relevant for a specification

PROCESSING

For an intensive and even colouring an exact dose and a good distribution of the TPU is necessary. To reach optimum results we recommend a pre-drying of the product (alone or together with the TPU) in a hot air, vacuum or hot air circulation tumble dryer for 1 to 2 hours at 80–100 °C. The processing temperature during the production should not exceed 215 °C.

APPLICATION

DANCOLOR® MB-1003 can be applied and mixed with all products out of our PEARLTHANE®/ESTANE® or PEARLCOAT® range (based on polyester or polyether) which find their application by extrusion, injection moulding or calendering. An addition of 3 % (calculated by the weight of the TPU) is recommended. If there is a requirement by the end product, higher doses can also be considered.

PRODUCT SAFETY

DANCOLOR® MB-1003 is under normal hygienic processing conditions a non dangerous material. If bigger volumes are being processed in the melt a good exhaustion of the vapours and a good air circulation should be provided.

PHYSIOLOGICAL CHARACTERISTICS

DANCOLOR® MB-1003 is in its chemical structure according to the recommendation of the BGA (Bundesgesundheitsamt) and FDA (FOOD and DRUG-ADMINISTRATION), the EG regulations 90/128/CEE and 96/11/CE, for the application and production of food packaging and utilities. The rules and recommendations must be kept.

PACKAGING

25 kg special bags with coated aluminium foils packed on 750 kg pallets. The delivery with marked PE-shrinking foil is according to the German transportation regulations.


STORAGE


DANCOLOR® MB-1003 should be stored cool and dry (15 – 25 °C), in tightly closed containers. In its original packaging the storage time of the product is at least 6 months.



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