

DANCOLOR® TPU-1015-CORN SILK

DESCRIPTION

DANCOLOR® TPU 1015 Corn Silk is an aliphatic based colour masterbatch based on TPU, which is delivered in beige granules. This colour concentrate is mainly used for the colouration of thermoplastic polyurethane (based on polyester or polyether) for the processing by extrusion, injection moulding and calender.

PRODUCT CHARACTERISTIC

	Values	Test method
Density	1,20 g/cm ³	ASTM D-1875
Colour index no.	IC 1015/CBS	IC 1015/CBS
Light fastness	7-8 (1-8) Blue Scale	DIN 53 389
Chromatic values	a: 2,65 b: 26,90 c: 35,80	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 100–110 °C. The processing temperature during the production should not exceed 240°C.

APPLICATION

DANCOLOR® TPU-1015-Corn Silk can be applied and mixed with all products out of our PEARLTHANE® or PEARLCOAT® range (based on polyester or polyether) which find their application by extrusion, injection moulding or calendering. An addition of 1 % to 5 % (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® TPU-1015-Corn Silk is a mostly harmless substance under normal hygienic conditions. At the processing of larger quantities in the melt, a good suction of the melt vapours is important.

FOOD REGULATORY

DANCOLOR® TPU-1015-Corn Silk can be used for applications in the food industry according to the recommendations of the BGA (Bundesgesundheitsamt) and FDA (FOOD and DRUG-ADMINISTRATION). The conditions, which are mentioned in the recommendations have to be met. This TPU complies with the positive list according to FDA, 21CFR, §177/2600, for food applications.

PACKAGING

25 kg special bags with coated aluminium foils packed on 750 kg pallets.

STORAGE

DANCOLOR® TPU-1015-Corn Silk 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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