

## DANCOLOR® TPU-902447

### DESCRIPTION

DANCOLOR® TPU 902447 is a colour masterbatch on aliphatic TPU binder basis, which is delivered in regular grey (pantone grey) coloured granules. This colour granule 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	1,99 g/cm <sup>3</sup>	ASTM D-1875-96 B
Colour index no.	IC 2009/Grey	
Carbon pigments in %	20 %	
Light fastness	8 (1-8) blue scale	DIN 53 389

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 90–100 °C. The processing temperature during the production should not exceed 250 °C.

### APPLICATION

DANCOLOR® TPU 902447 can be mixed with all products of the PEARLTHANE® or PEARLCOAT® range (based on polyester or polyether) which will be applied by the extrusion, injection moulding and calender processing. DANCOLOR TPU 902447 is especially used for the dyeing of aliphatic, light TPU layers. We recommend an addition of 3 % (calculated by the weight of the TPU). Even a higher dosage can be made if the final product needs a stronger dyeing or colour coverage.

### PRODUCT SAFETY

DANCOLOR® TPU-902447 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.

### 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


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DANCOLOR® TPU-902447 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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