

DANADD® E-LF-01

DESCRIPTION

DANADD® E-LF-01 is a concentrated additive masterbatch which is added to thermoplastic polyurethanes and also to other plastics in order to obtain a good electrical conductivity. DANADD® E-LF-01 contains thermoplastic polyurethane as a binder. DANADD® E-LF-01 is added into the TPU pellets by a metering equipment and by mixing it with the TPU pellets. In the production of lightweight-TPU, it is also possible to mix DANADD® E-LF-01 with color and additive masterbatches (expander additives).

PRODUCT CHARACTERISTICS

	Values	Method
Aspect	grey to black, irregular (inhomogeneous) cylindrical granules	
Active content	50 %	
Residual moisture content	< 0,05 %	
Softening point	135 °C	
Processing temperature	135 – 230 °C	KOFLER

APPLICATION

DANADD® E-LF-01 can be added to TPU pellets if they are processed by extrusion, blow moulding and injection moulding. By adding DANADD® E-LF-01, the TPU's obtain a good electrical conductivity. This product is applied in the production of rollers, shoe soles or speciality profiles based on TPU, if these products need to have a good electrical conductivity. For application in TPU's, the inherent color of DANADD® E-LF-01 enables another coloring by addition of masterbatches. Depending on its application and the electrical conductivity required, 1 – 25 % of DANADD® E-LF-01 are added to the granules

PROCESSING

DANADD® E-LF-01 can be added to the TPU pellets together with the colour additives, by a metering equipment for extrusion and injection moulding. Furthermore it is possible to mix the TPU pellets and DANADD® E-LF-01 in tumble mixers. Please ensure that DANADD® E-LF-01 is well dried prior to its procession in order to avoid blistering in the produced articles. The structure of DANADD® E-LF-01 ensures a compatibility of the product with all TPU's, also with polyester- and polyether TPU's.

COMPATIBILITY

DANADD® E-LF-01 has an excellent compatibility with all PEARLTHANE® TPU's as well as with the PEARLTHANE® MB-additive and color masterbatches. Furthermore it is also compatible with the inflation - (swelling-) agent of the DANCELL®-line. If the quantities applied exceed our recommendations, we recommend to carry out preliminary tests.

STORAGE

DANADD® E-LF-01 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.



PRODUCT SAFETY

Under normal hygienic working conditions DANADD® E-LF-01 is a harmless product. Please observe that TPU additive masterbatches may cause electrostatic sparks when they are mixed with TPU pellets. If bigger volumes are being processed in the melt a good exhaustion of the vapours and a good air circulation should be provided. DANADD® E-LF-01 is free from heavy metals, cadmium, lead and formaldehydes. DANADD® E-LF-01 is also suitable for applications in the food and food-packaging sector.

* For further data please refer to our safety data sheet.

PACKAGING

25 kg bags packed on pallets of 750 kg or 500 kg each. Shipment on 500 kg Euro pallets with a marked PE-shrink wrapping film meets the requirements of the FRG-packing regulations.



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