

## DANADD<sup>®</sup> FT-20/2000

### DESCRIPTION

DANADD<sup>®</sup> FT-20/2000 is a high-quality flattening agent for thermoplastic polyurethanes (TPUs). This additive masterbatch can be added to TPU types during their processing by injection moulding and extrusion. DANADD<sup>®</sup> FT-20/2000 is compatible with polyester, copolyether and pure polyether TPU types. In addition to a high-grade flattening at the material surface, DANADD<sup>®</sup> FT-20/2000 is also used to obtain a reduced surface bonding and, in some applications, a better remoulding can be achieved in the injection moulding.

### PRODUCT CHARACTERISTICS

	Value	Method
Aspect	Black-greyish regular (homogeneous) granules	
Specific weight	0,92 g/cm <sup>3</sup>	DIN 51.757 at 20° C
Recommended addition	1 % to 10 %	
Processing temperature	160 °C to 220 °C	
Light resistance	Light scale up to scale no. 8	
Heat resistance	Up to 230 °C	

### WORKING CONDITIONS

This special batch is directly added to the TPU pellets. It is also possible to add this product by a metering equipment which is attached to the processing machines. We recommend to dry this product for approx. 2 hours at 80 °C prior to its processing, especially if the product is processed by extrusion. The best processing temperatures for this masterbatch are between 160 °C and 220 °C. DANADD<sup>®</sup> FT-20/2000 is free from cadmium, lead, other heavy metals, AZO dyestuff and formaldehydes. The product is also suitable for application in food packaging and / or food consumer goods. When DANADD<sup>®</sup> FT-20/2000 is used there are hardly any losses with regard to adhesion in the 2K-injection moulding and co-extrusion.

### APPLICATIONS

DANADD<sup>®</sup> FT-20/2000 is added to our thermoplastic TPUs for injection moulding and extrusion which are sold under the sales name PEARLTHANE<sup>®</sup>. High-quality and matt-finished surfaces are obtained by adding this masterbatch. However, this special masterbatch can also be used in order to improve the extrusion and injection moulding characteristics with regard to blocking resistance and surface handle. DANADD<sup>®</sup> FT-20/2000 is a high-quality flattening masterbatch which is also suitable for 2K-injection moulding and blow moulding.

### PRODUCT SAFETY

DANADD<sup>®</sup> FT-20/2000 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.

### STORAGE

DANADD<sup>®</sup> FT-20/2000 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.



## 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 Germany transportation regulations.



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