

MTS line



With the **MTS** models, the available torque and the conveying volumes of the screw elements are specially adapted to meet the requirements of compounding engineering plastics and masterbatches.

The barrels, with standard lengths of 3.5 l/d, are temperature controlled by means of heating cartridges and water cooling.

This is indicated by the screw diameter ratio **OD/ID = 1.55**.

		FED 26 MTS	FED 37 MTS	FED 43 MTS	FED 52 MTS	FED 72 MTS	FED 82 MTS
Screw diameter	mm	26	37	43	52	72	82
Drive power max.	kW	34	85	142	225	600	975
Speed max.	rpm	1,200	1,200	1,200	1,200	1,200	900



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Performance of the FED-MTS

A high available torque at high speeds is not the only important factor in determining the maximum output; the quality of the produced compound is also of significance.

Higher speeds usually result in a reduction in the quality of the product. In the case of reinforced plastics, the mechanical properties, such as impact strength, modulus of elasticity and tensile strength, can suffer as a consequence.

*** Product-specific outputs (kg/h), verifiably achieved by MTS extruders producing the highest quality products without using the highest available speeds.**

	FED 26 MTS	FED 37 MTS	FED 43 MTS	FED 52 MTS	FED 72 MTS	FED 82 MTS
PA 6 / PA 6.6 – 50 % GF	100*	200	420	700*	1,700	3,500
PBT – 30 % GF	130	225*	480	800*	1,900*	4,000
PET – 45 % GF	90	165	300	500*	1,200*	2,500
PPA – 50 % filled/reinforced	80	150*	270	450*	1,000*	2,250
POM	80	145	270	450*	1,050*	2,250



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