

# 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.

This is indicated by the screw diameter ratio **Do/Di = 1.55**

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

|                  |     | FED<br>26 MTS | FED<br>37 MTS | FED<br>43 MTS | FED<br>52 MTS | FED<br>72 MTS | FED<br>82 MTS |
|------------------|-----|---------------|---------------|---------------|---------------|---------------|---------------|
| Screw diameter   | mm  | 26            | 37            | 43            | 52            | 72            | 82            |
| Drive power max. | kW  | 28            | 75            | 117           | 210           | 560           | 820           |
| Speed max.       | rpm | 1,200         | 1,200         | 1,200         | 1,200         | 1,200         | 780           |



**FEDDEM GmbH & Co. KG**  
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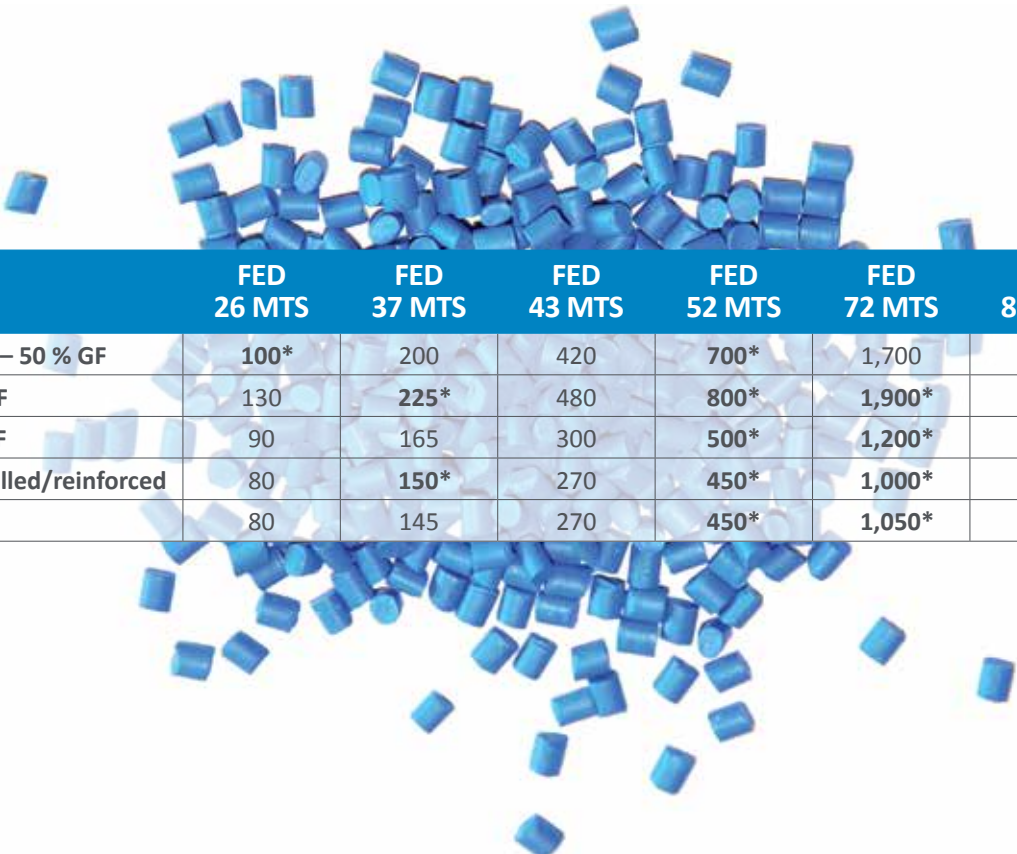
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# Performance of the FED-MTS

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.**



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|------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 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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