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Polyamide 6

### PA 6 Technology

Single stage

Two stage

Refeeding options

### Melt Conditioning

Polyamide 6.6

PA 6.6 Technology

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### Melt Conditioning

A unique feature of our polyamide technology is the melt conditioning with titanium dioxide (TiO<sub>2</sub>) after the polymerization reactor. This technology is used to produce textile yarn (dulled) in single lines (DRP®) or if different dulling grades have to be produced in one line.

The process is as follows:

A side-stream of the melt from the VK-tube is fed into a specially designed dynamic mixer where it is mixed with the TiO<sub>2</sub> powder. This "internal masterbatch" is then re-fed into one or several polymer streams. Both the melt-conditioned polymer and the raw polymer are mixed by a static mixer.

The homogeneity obtained is fully comparable to top-of-the-market slurry technologies where the TiO<sub>2</sub> is added to the caprolactam before the VK tube.

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