

Neumag-Spinnvliesanlagen

- Die neuesten Entwicklungen

19. Hofer Vliesstofftage 10.-11. November 2004

Saurer Textile Systems

| Saurer

Allma | **Saurer**

Barmag | **Saurer**

Melco | **Saurer**

Neumag | **Saurer**

Schlafhorst | **Saurer**

Volkmann | **Saurer**

Zinser | **Saurer**

| Saurer

Saurer Textile Systems:

- ▶ Turnover 1.8 bill. EUR
- ▶ Employees 7,000

Neumag | Saurer

- ▶ Turnover: 200 mill. EUR
- ▶ Employees 440
 - ▶ Technical Departments (Engineering, Design, Development, Sales) 185
 - ▶ Administration (Finances, Staff dptmt., Data processing) 35
 - ▶ Production 220

Neumag – Produktpalette

Neumag | Saurer

▶ Complete plants for the production of

- ▶ BCF yarn
- ▶ Staple fibers
- ▶ Spunbond nonwovens
- ▶ Airlaid nonwovens



Neumag: Airlaid Anlagen von M&J Fibretech

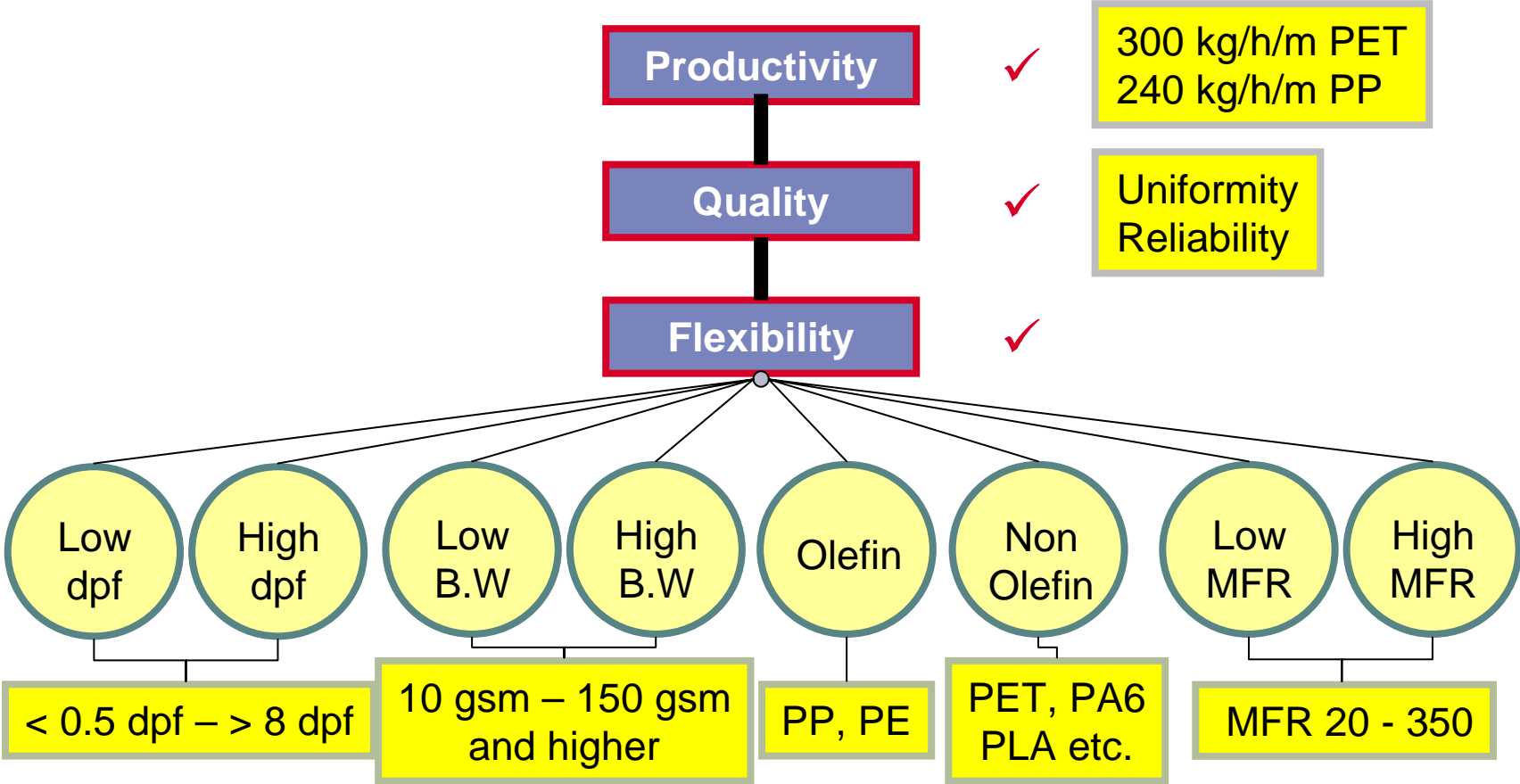
Flexible Airlaid Technologie:

- Rohmaterialien,
- homogene Mischung unterschiedlich langer Fasern (bis 12 mm) und Pulver in einem Formkopf
- Bikomponenten

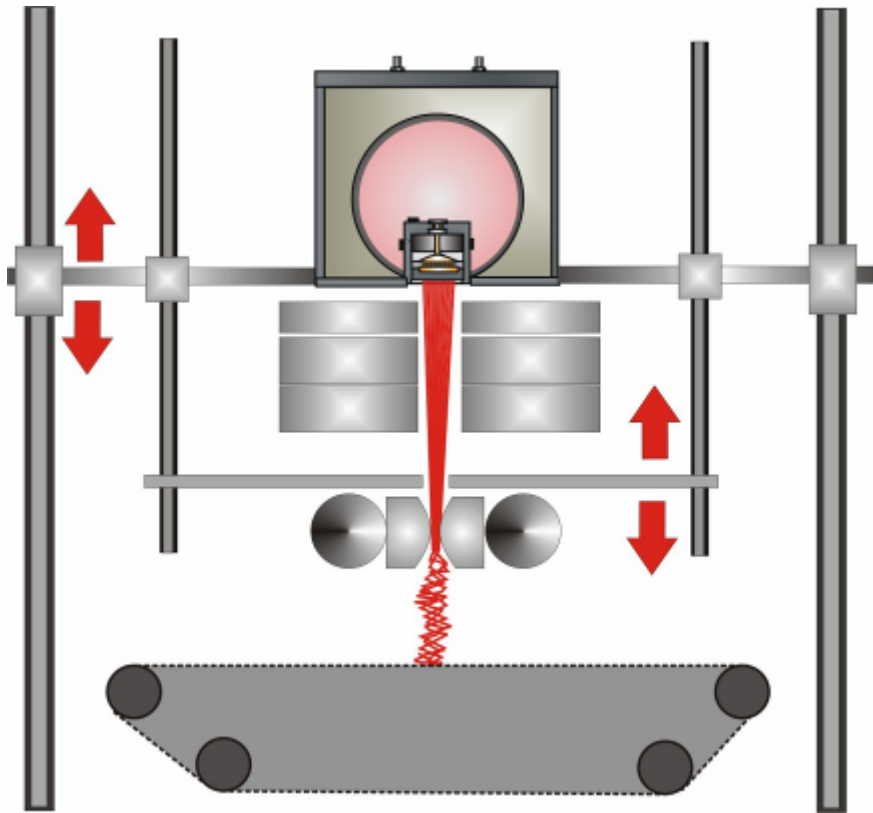
Für ein- und mehrlagige Produkte



Marktbedarf

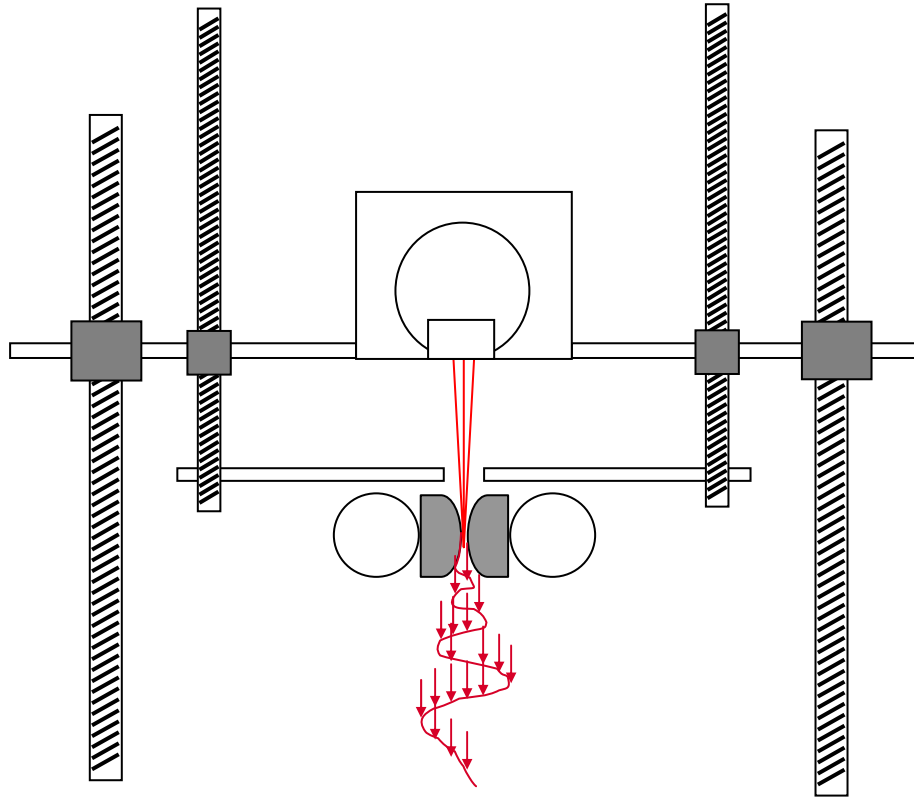


Ason Spunbond Prozess: Merkmale



- ▶ Kurze und effektive Abzugsdüse
- ▶ Kurze und einstellbare Spinnlänge
 - **Hohe Spinnengeschwindigkeiten (bis 8000 m/min)**
 - **Große Produktpalette**
- ▶ variable Formlänge

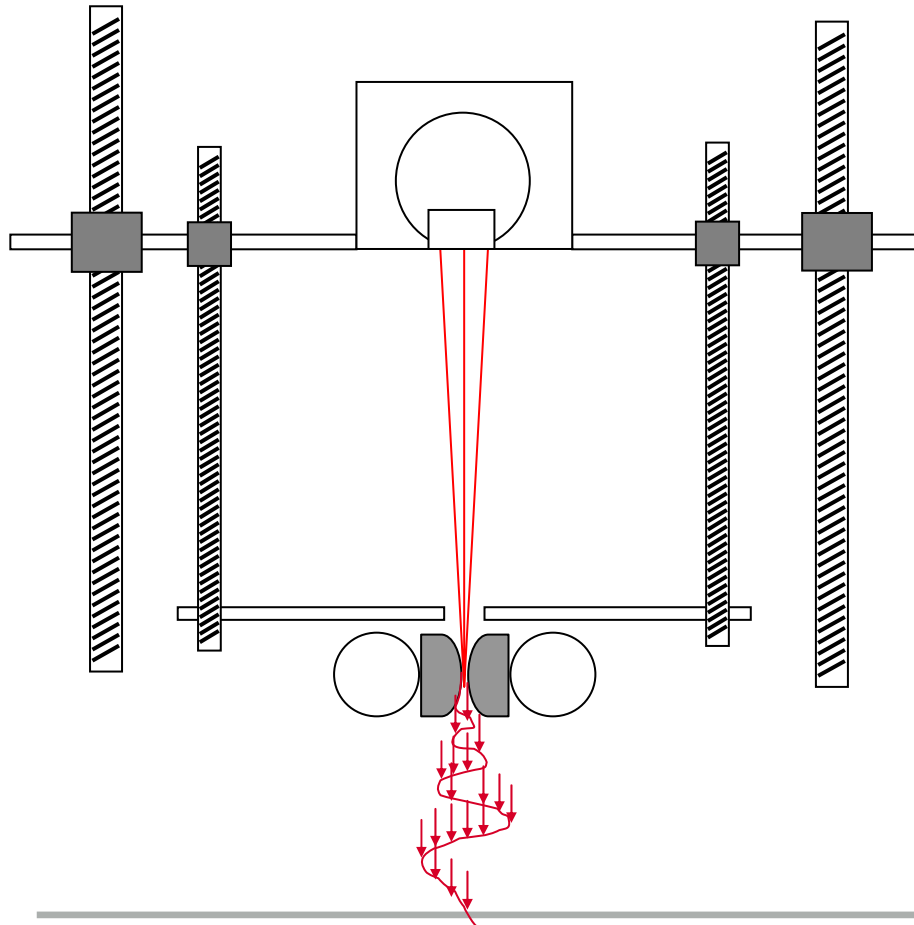
Ason Spunbond Process



$$\text{Draw force} - \text{Drag force} = \text{Spinning speed}$$



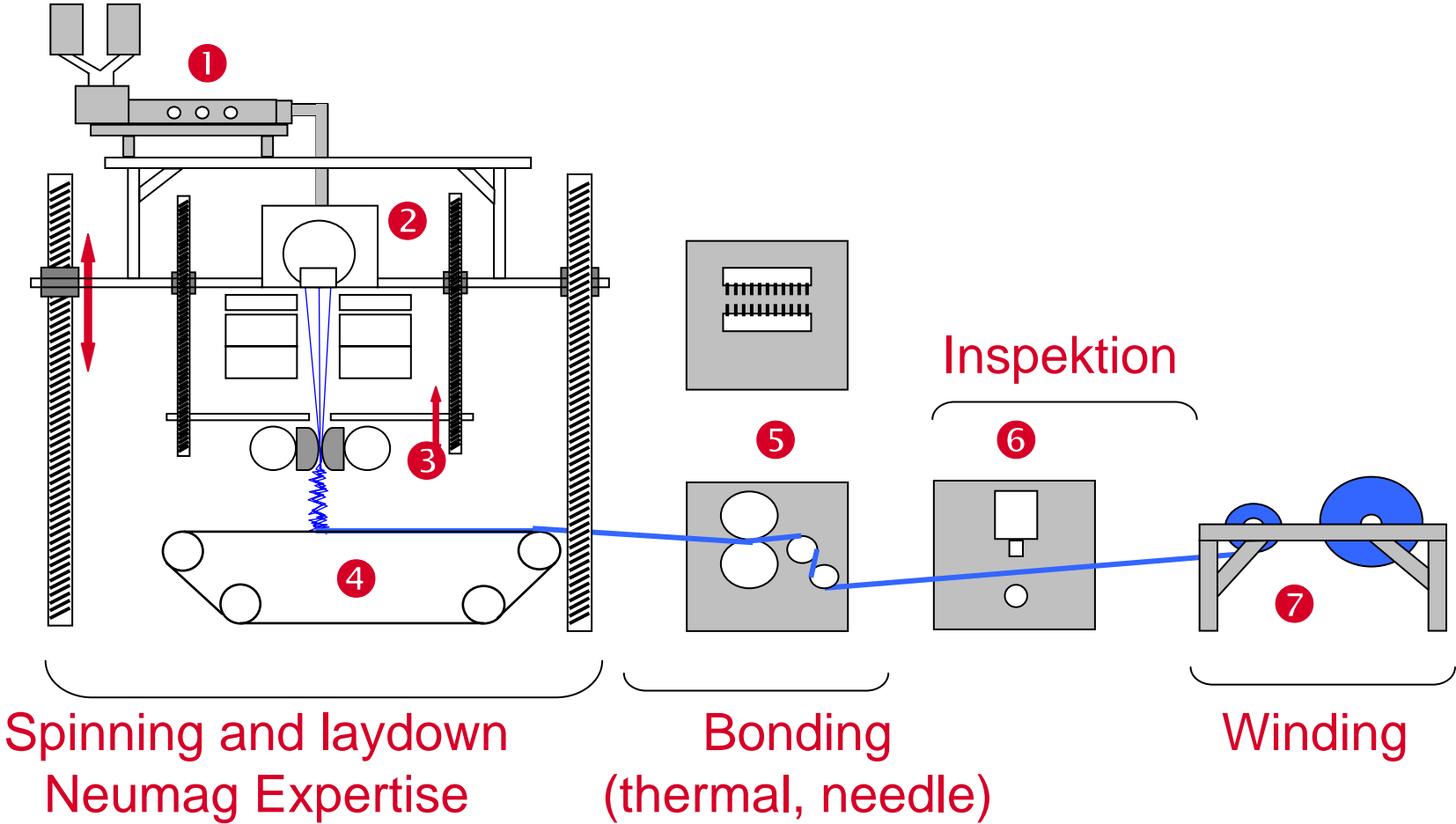
Ason Spunbond Process



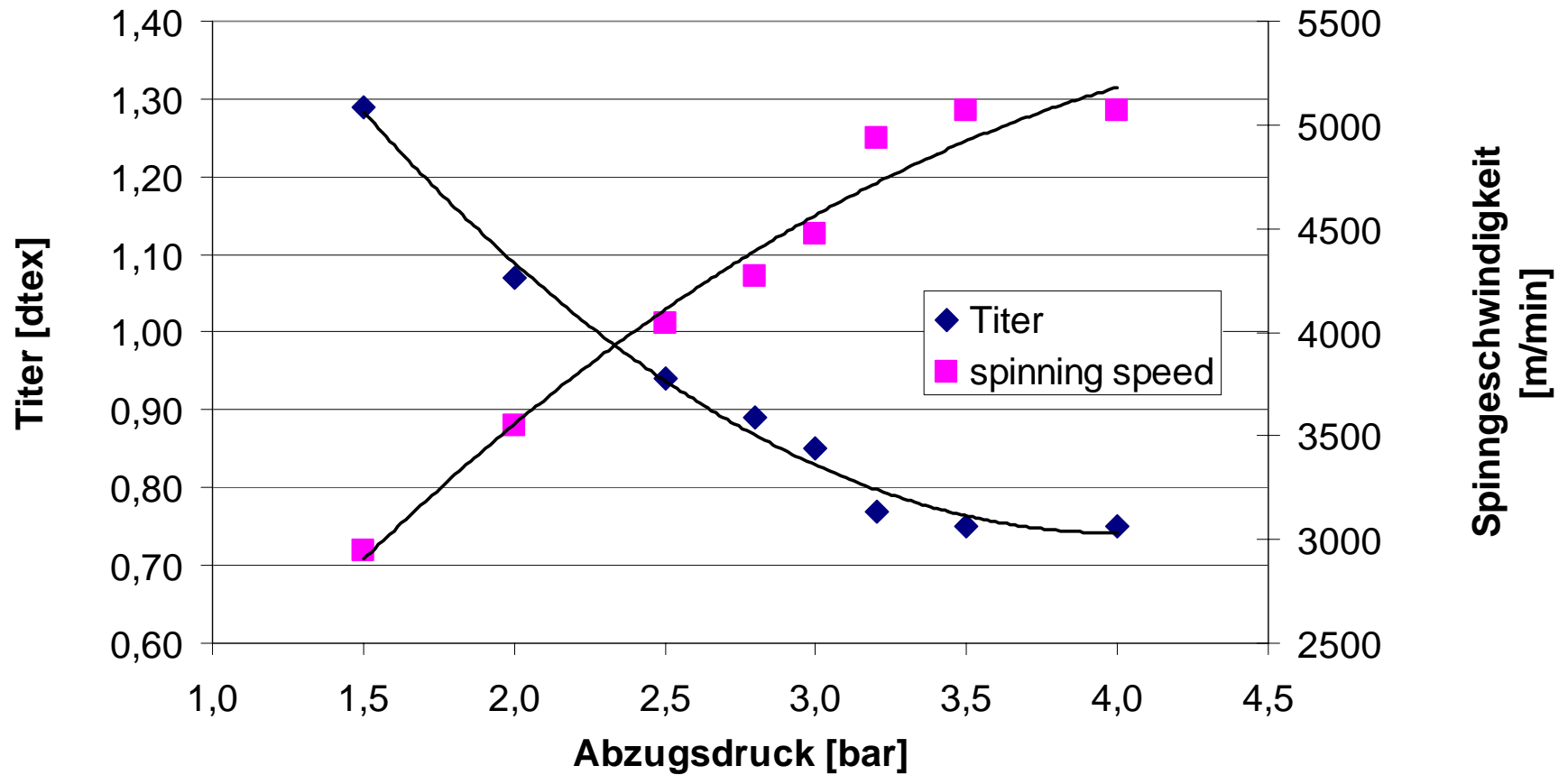
$$\text{Draw force} - \text{Drag force} = \text{Spinning speed}$$



Spunbond Solution Center - Anlagenkonfiguration

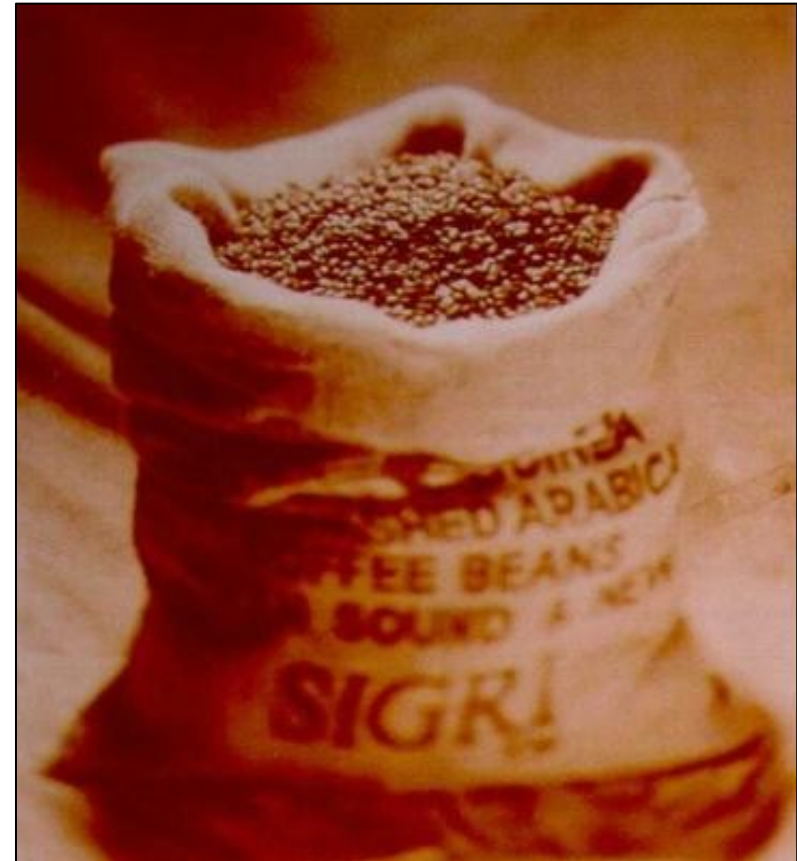


Spinnengeschwindigkeiten – Titer PP



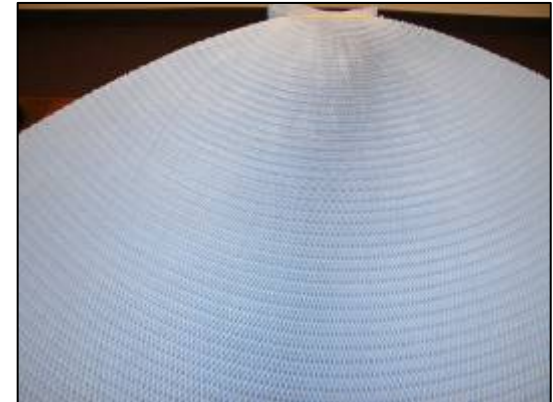
Biko PET/PE Säcke

- ▶ **80 % PET 20 % PE S/C**
- ▶ **Filament titer 1 dtex**
- ▶ **Weight 80 g/m²**
- ▶ **Tensile strength**
 - MD 390 N/50mm**
 - CD 85 N/50mm**
- ▶ **Elongation MD 70 %**
 - CD 90 %**



PET, thermobonded

- ▶ **100 % PET**
- ▶ **Filament titer** **1,3 dtex**
- ▶ **Weight** **75 g/m²**
- ▶ **Thickness** **0,31 mm**
- ▶ **Tensile strength** **MD 240 N/50mm**
 CD 100 N/50mm
- ▶ **Elongation** **MD 30 %**
 CD 40 %
- ▶ **Air permeability** **850 l/m²s**
- ▶ **Shrinkage (220°C/15`)** **< 2%**



Recycling PET

- ▶ **100 % RPET**
- ▶ **Filament titer** **1,5 dtex**
- ▶ **Weight** **80 g/m²**
- ▶ **Thickness** **0,5 mm**
- ▶ **Tensile strength** **MD 140N/50mm**
 CD 70 N/50mm
- ▶ **Elongation** **MD 20 %**
 CD 35 %
- ▶ **Air permeability** **1100 l/m²s**
- ▶ **Shrinkage (220°C/15`)** **< 2%**



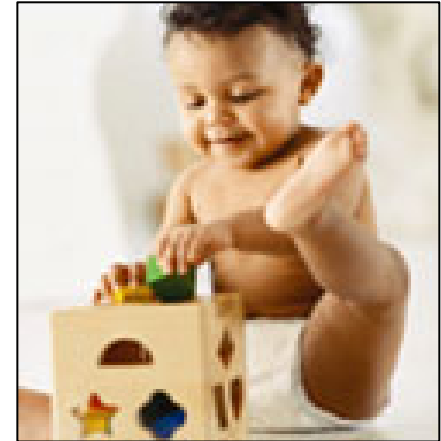
PP, 1,1 dtex 17 gsm

- ▶ **100 % PP**
- ▶ **Filament titer** **1,1 dtex**
- ▶ **Weight** **17 g/m²**
- ▶ **Thickness** **0,15 mm**
- ▶ **Tensile strength** **MD 55 N/50mm**
 CD 25 N/50mm
- ▶ **Elongation** **MD 65 %**
 CD 75 %
- ▶ **Air permeability** **3500 l/m²s**



PP 0,9 dtex, 18 gsm

- ▶ **100 % PP**
- ▶ **Filament titer** **0,9 dtex**
- ▶ **Weight** **18 g/m²**
- ▶ **Thickness** **0,18 mm**
- ▶ **Tensile strength** **MD 50 N/50mm**
 CD 20 N/50mm
- ▶ **Elongation** **MD 50 %**
 CD 60 %
- ▶ **Repellency** **120 mmWS**
- ▶ **Air permeability** **2700 l/m²s**



The End....

Vielen Dank für Ihre Aufmerksamkeit!!

Die vorgestellten Muster können Sie
natürlich gern an unserem Stand
ansehen!!