

oerlikon
nonwoven

Spunmelt solutions for hygiene and medical applications



From Melt to Nonwovens



Why we should be your partner

Based on our long-time experiences we developed the process and engineered a spunbond production line from melt to nonwoven for geotextile applications made of polypropylene or polyester.

- Low production costs through high capacity production, less space, machines and operators, low waste rate, low energy consumption and higher yield
- High product performance with low basis weight to meet the leading market requirements

As part of the Oerlikon Manmade Fibers segment we are a leading solution provider of a wide range of nonwoven technologies - with spunbond, meltblown and airlaid solutions, we cover the technical and disposable nonwoven markets.

From SMS to SSMMS always the right solution

Baby diapers, adult incontinence, feminine hygiene products or medical gowns and drapes have one thing in common – they are made of polypropylene spunmelt (spunbond and spunbond/meltblown) composites. These flexible fabrics are extremely soft, yet tear resistant, providing breathability when desired and barrier protection where required. Variable characteristics dependent on the application demand.

Why we should be your partner

In cooperation with a leading Chinese equipment manufacturer, Shaoyang Textile, we are offering spunmelt systems in various spunbond and meltblown configurations (SS, SMS, SSMMS). Our years of engineering excellence guarantees that our equipment is constructed consistent with international standards assuring your organization the long term production of top tier, globally acceptable hygiene and medical fabrics at an attractive cost ratio.

As part of the Oerlikon Manmade Fibers segment we are a leading solution provider of a wide range of nonwoven technologies – with spunbond, meltblown and airlaid solutions, we cover the technical and disposables nonwoven markets.

Your benefits

- Quality - global acceptance for SMS web appearance and performance
- Sized Right - perfect for “strategic positioning”
- Attractive price point
- International equipment standards, procedures and documentation
- Complete system performance guarantee and warranty by Oerlikon Nonwoven

3,200 mm SSMMS nonwoven – example productivity

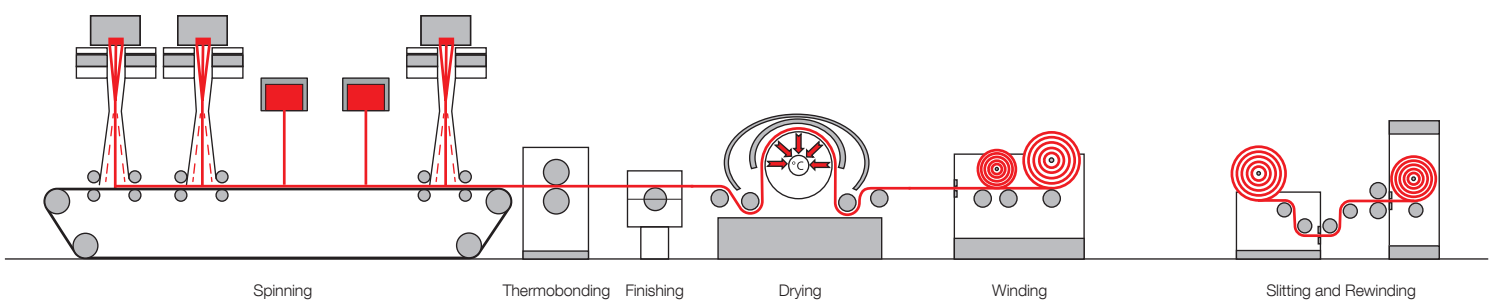
Total weight [g/m²]	12	15	35
Weight distribution [g/m²]	4+3+1+1+3	4+4+1.5+1.5+4	10+10+3+3+9
Max. basis weight CV [%]	4-5	4-5	4-5
Spunbond weight [g/m²]	10	12	29
Meltblown weight [g/m²]	2	3	6
Annual output [tons] (based on 8.000 hours)	≈ 12,000	≈ 12,000	≈ 12,000
Spunbond fibers [denier]	<1.8	<1.8	<1.9
Meltblown fibers [μm]	2~5	2~5	2~5

- Meltblown proportion is about 16% ~ 20%
- Raw material for meltblown: PP chips (special for meltblown nonwovens: Exxon MFI:1,400g/10min)
- Raw material of spunbond: PP chips (special for spunbond nonwovens: Exxon 3155E3, MFI: 35g/10min)





**Spunmelt S-S-M-M-S Lines
Medical / Hygiene**



Oerlikon Nonwoven

Zweigniederlassung der
Oerlikon Textile GmbH & Co. KG
Christianstraße 168 – 170
24536 Neumünster
Germany
T +49 4321 305-672
F +49 4321 305-231
sales.nonwoven@oerlikon.com
www.oerlikon.com/manmade-fibers