

# Nonwovens for Liquid Filtration – Industrial Applications

## Product Profile: **cooltexx** Polyester Wetlaid Nonwovens



<b>Production Method</b> Wetlaid process	<b>Material</b> Mainly polyester	<b>Bonding</b> Chemical binder (acrylate)
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Type	Weight	Belt Filter Principle	Type of Processing
<b>cooltexx</b> 2662	25 g/m <sup>2</sup>	Gravity/Pressure	Turning/Drilling/Milling [Rough Machining]
<b>cooltexx</b> 2663	37 g/m <sup>2</sup>	Pressure	Turning/Drilling/Milling [Planing]
<b>cooltexx</b> 2664	50 g/m <sup>2</sup>	Pressure	Grinding/Honing/Lapping [Fine Planing]
<b>cooltexx</b> 2666	60 g/m <sup>2</sup>	Pressure/Vacuum	Grinding/Honing/Lapping [Finest Machining]
<b>cooltexx</b> 2693	70 g/m <sup>2</sup>	Pressure/Vacuum	Grinding/Honing/Lapping [Finest Machining]

### Product Advantages

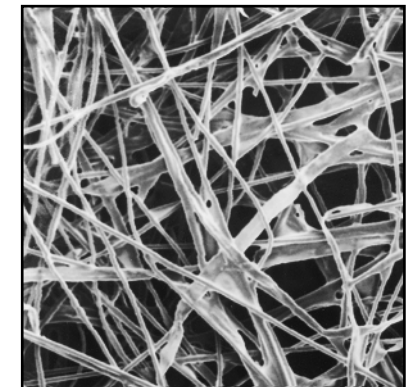
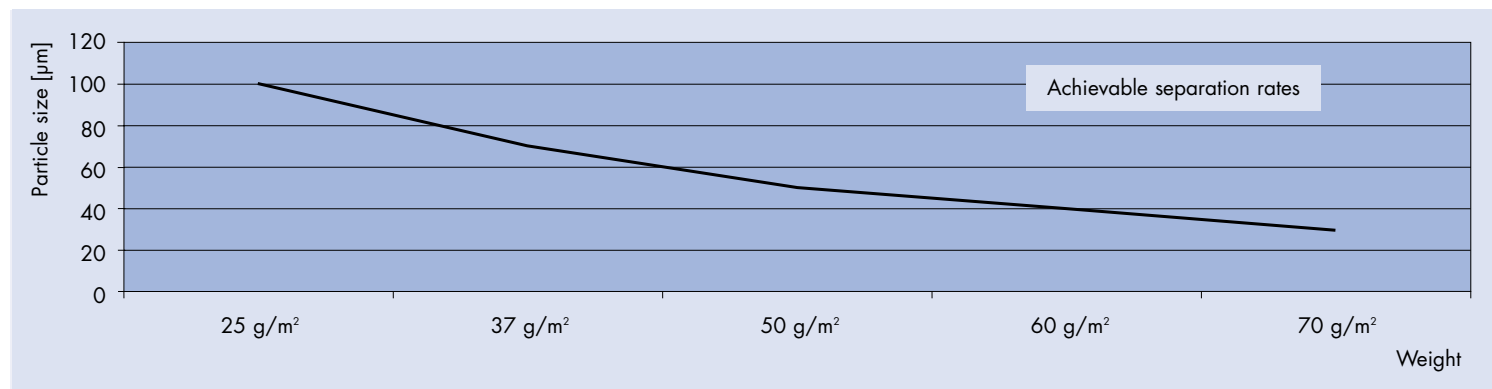
- Optimal process adaptability
- Easy handling
- Less roll changes required
- Universal applicability

### Product Properties

- Uniform fiber distribution
- Good separation despite low weight
- Thin material
- Variable polymer composition

### Standard Product Sizes

Length [m]: 150, 250, 500  
Width max. [mm]: 1800



SEM picture **cooltexx** 2663

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<b>Belt Filter System</b>							
Gravity			•				
Pressure			•	•	•	•	•
Vacuum						•	•
<b>Process Liquids</b>							
Emulsions based on mineral oil			•	•	•	•	•
Partial/full synthetic emulsions			•	•	•	•	•
Oil			•	•	•	•	•
Solvents							
Waste water			•	•	•	•	•
Liquids for surface treatment			(•)	(•)	(•)	(•)	(•)
<b>Product Group</b>			<b>cooltexx 2662</b>	<b>cooltexx 2663</b>	<b>cooltexx 2664</b>	<b>cooltexx 2666</b>	<b>cooltexx 2693</b>
Fiber	mainly polyester						
Binder system	synthetic resin binder, acrylate						
Max. width	1800 mm						
Length of rolls	100, 150, 200, 250, 500 m						
<b>Technical Data</b>							
	<b>Method of Testing</b>						
Weight	EN 29073T.1	g/m <sup>2</sup>	25	37	50	60	70
Thickness	EN 29073T.2	mm	0.26	0.32	0.38	0.50	0.53
Air permeability at 100 Pa	DIN EN ISO 9237	l/m <sup>2</sup> s	3930	2770	1800	2150	2000
Max. tensile strength md	EN 29073T.3	N/5cm	60	85	130	200	100
Max. tensile strength cd	EN 29073T.3	N/5cm	42	55	90	115	70
Elong. at max. tensile strength md	EN 29073T.3	%	18	17	19	18	19
Elong. at max. tensile strength cd	EN 29073T.3	%	18	18	22	20	21



(•) Please ask for special applications, Tel.: +49-6201-806165  
 Technical data are mean values which are subject to normal production tolerances.  
 Issue: June 2006 • Replaces all previous issues of this data sheet.