

# Nonwovens for Liquid Filtration – Industrial Applications

## Product Profile: **cooltexx** Polypropylene Spunbond Nonwovens



<b>Production Method</b> Spunbond process	<b>Material</b> Polypropylene	<b>Bonding</b> Thermal, point-bonded
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Type	Weight	Belt Filter Principle	Type of Processing
<b>cooltexx</b> 3440	40 g/m <sup>2</sup>	Pressure/Vacuum	Turning/Drilling/Milling [Planing]
<b>cooltexx</b> 3450	50 g/m <sup>2</sup>	Pressure/Vacuum	Turning/Drilling/Milling [Planing]
<b>cooltexx</b> 3470	70 g/m <sup>2</sup>	Pressure/Vacuum	Grinding [Finest Machining]

### Product Advantages

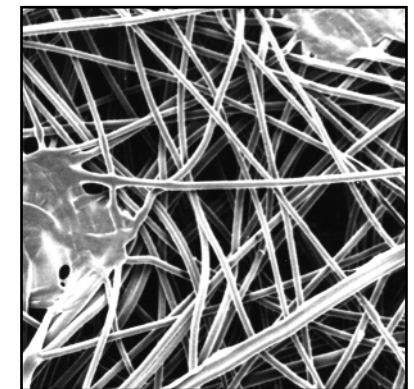
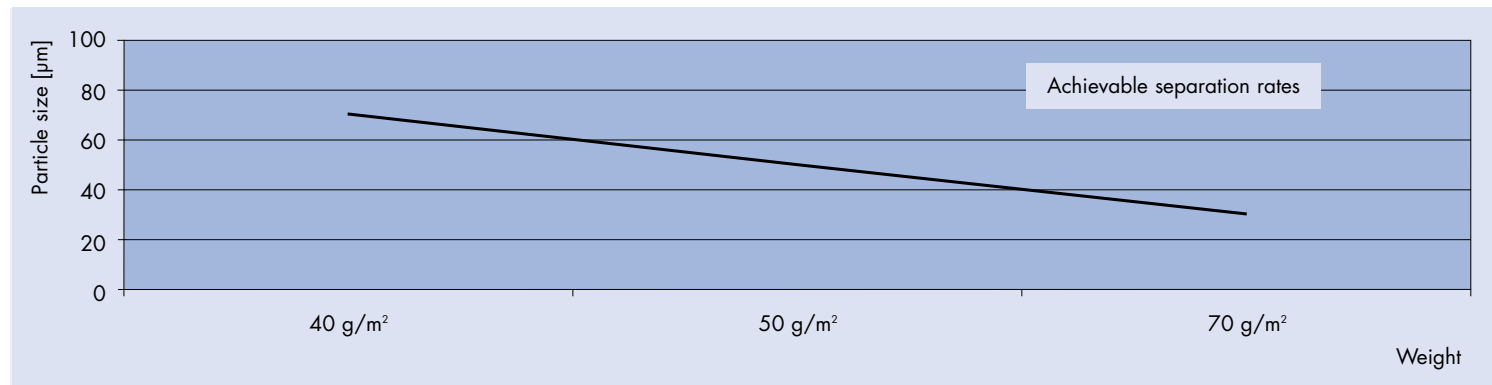
- Absorption of tramp oil from emulsion
- Good chemical compatibility
- Good filter-cake release

### Product Properties

- Oleophilic fibers
- Pure polypropylene
- Smooth surface

### Standard Product Size

Length [m]: 150, 250, 500  
Width max. [mm]: 2400



SEM picture **cooltexx** 3440

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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 3440</b>	<b>cooltexx 3450</b>	<b>cooltexx 3470</b>	
Fiber	polypropylene				
Binder system	thermal, point-bonded				
Max. width	2400 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>	40	50	70
Thickness	EN 29073T.2	mm	0.38	0.40	0.50
Air permeability at 100 Pa	DIN EN ISO 9237	l/m <sup>2</sup> s	1360	1210	690
Max. tensile strength md	EN 29073T.3	N/5cm	106	90	188
Max. tensile strength cd	EN 29073T.3	N/5cm	60	60	107
Elong. at max. tensile strength md	EN 29073T.3	%	87	102	103
Elong. at max. tensile strength cd	EN 29073T.3	%	85	97	104



(•) 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.