Nonwovens for Liquid Filtration – Industrial Applications
Product Profile: cooltexx Polypropylene Spunbond Nonwovens

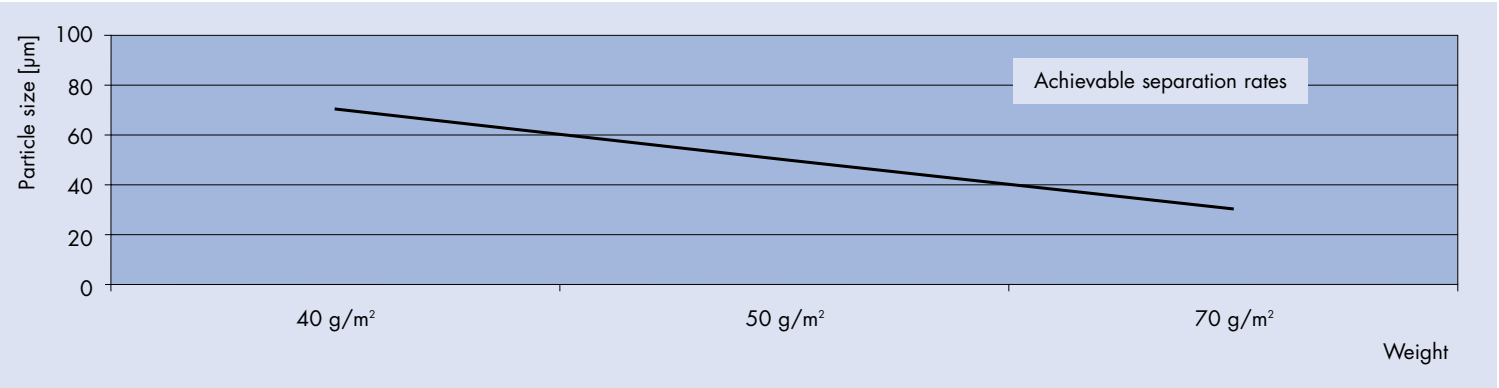
Production Method	Material	Bonding
Spunbond process	Polypropylene	Thermal, point-bonded

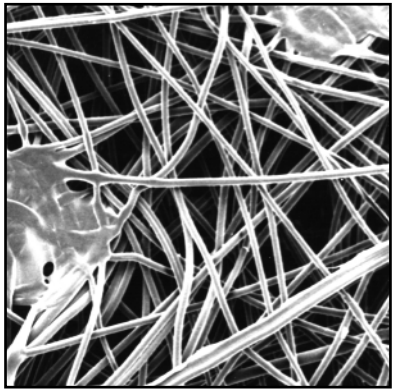
Type	Weight	Belt Filter Principle	Type of Processing
cooltexx 3440	40 g/m²	Pressure/Vacuum	Turning/Drilling/Milling [Planing]
cooltexx 3450	50 g/m²	Pressure/Vacuum	Turning/Drilling/Milling [Planing]
cooltexx 3470	70 g/m²	Pressure/Vacuum	Grinding [Finest Machining]

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 **cool**texx 3440

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Freudenberg

Belt Filter System					
Gravity					
Pressure		•		•	•
Vacuum		•		•	•
Process Liquids					
Emulsions based on mineral oil		•		•	•
Partial/full synthetic emulsions		•		•	•
Oil					
Solvents		•		•	•
Waste water		•		•	•
Liquids for surface treatment		•		•	•
Product Group		**cool**texx		**cool**texx	**cool**texx
Fiber	polypropylene	**3440**		**3450**	**3470**
Binder system	thermal, point-bonded				
Max. width	2400 mm				
Length of rolls	100, 150, 200, 250, 500 m				
Technical Data	**Method of Testing**				
Weight	EN 29073T.1	g/m²	40	50	70
Thickness	EN 29073T.2	mm	0.38	0.40	0.50
Air permeability at 100 Pa	DIN EN ISO 9237	l/m²s	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

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(•) Please ask for special applications, **Tel.: +49-6201-806165**
Technical data are mean values which are subject to normal production tolerances.
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