

Nonwovens for Liquid Filtration – Industrial Applications

Product Profile: **cooltexx** Polyester Spunbond Nonwovens



Production Method Spunbond process	Material Polyester (fine fibers)	Bonding Thermal, flat-calendered
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Type	Weight	Belt Filter Principle	Type of Processing
cooltexx 6430	30 g/m ²	Gravity/Pressure	Turning/Drilling/Milling
cooltexx 6450	50 g/m ²	Pressure/Vacuum	Turning/Drilling/Milling [Planing]
cooltexx 6470	70 g/m ²	Pressure/Vacuum	Grinding [Finest Machining]

Product Advantages

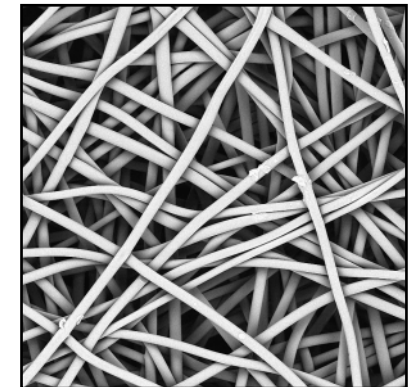
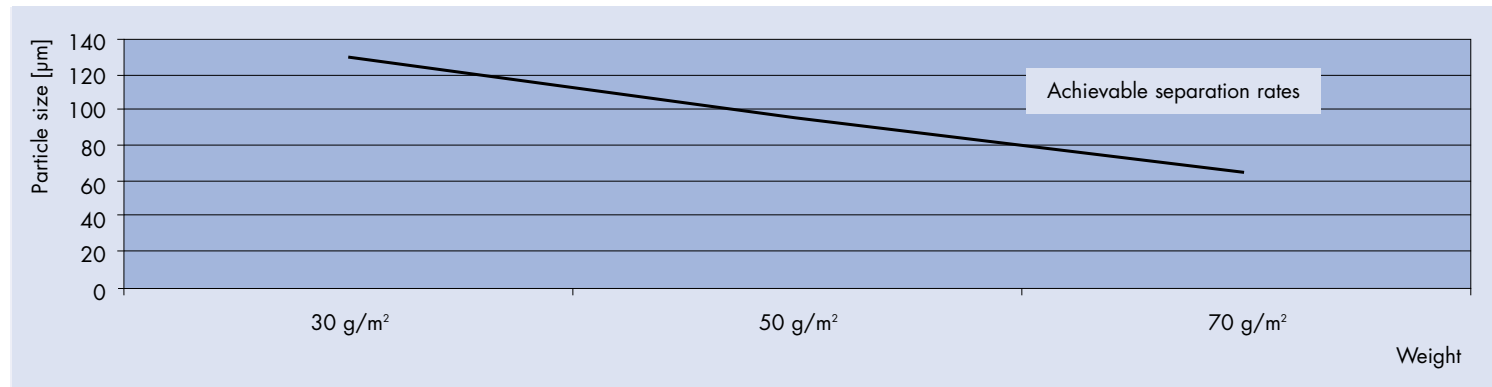
- Long lifetime
- Safe, secure process
- Good filter-cake release
- Optimal process adaptability

Product Properties

- Very high mechanical stability
- Separation by sieving
- Smooth surface
- High selectivity

Standard Product Sizes

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



SEM picture **cooltexx** 6470

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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		cooltexx 6430	cooltexx 6450	cooltexx 6470	
Fiber	polyester (fine fibers)				
Binder system	thermal, flat-calendered				
Max. width	2400 mm				
Length of rolls	100, 150, 200, 250, 500 m				
Technical Data		Method of Testing			
Weight	EN 29073T.1	g/m ²	30	50	70
Thickness	EN 29073T.2	mm	0.14	0.22	0.32
Air permeability at 100 Pa	DIN EN ISO 9237	l/m ² s	3300	2500	2000
Max. tensile strength md	EN 29073T.3	N/5cm	42	78	110
Max. tensile strength cd	EN 29073T.3	N/5cm	22	55	67
Elong. at max. tensile strength md	EN 29073T.3	%	30	34	30
Elong. at max. tensile strength cd	EN 29073T.3	%	36	39	38



(•) 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.