

Nonwovens for Liquid Filtration – Industrial Applications

Product Profile: **cooltexx** Polyester Spunbond Nonwovens



Production Method	Material	Bonding
Spunbond process	Polyester (coarse fibers)	Thermal

Type	Weight	Belt Filter Principle	Type of Processing
cooltexx 7230	30 g/m ²	Gravity/Pressure	Turning/Drilling/Milling [Rough Machining]
cooltexx 7250	50 g/m ²	Pressure/Vacuum	Turning/Drilling/Milling [Planing]
cooltexx 7270	70 g/m ²	Pressure/Vacuum	Turning/Drilling/Milling [Planing]
cooltexx H 7210	100 g/m ²	Pressure/Vacuum	Grinding/Honing/Lapping [Fine Planing]

Product Advantages

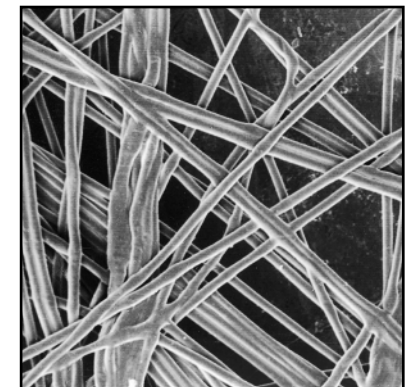
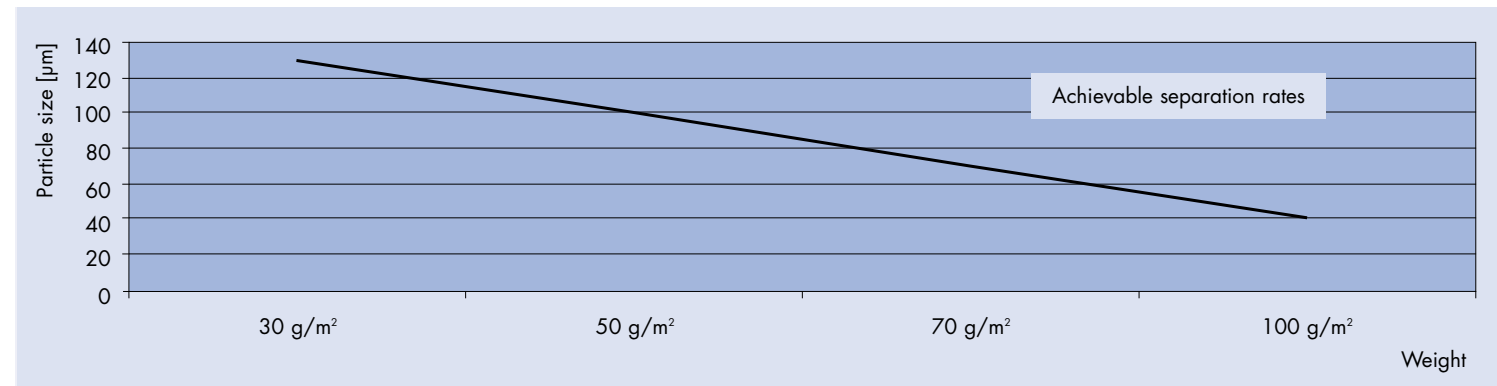
- Long lifetime
- No extraction of chemicals
- Good filter-cake release
- Optimal process adaptability

Product Properties

- Very high mechanical stability
- Pure polyester
- Smooth surface
- Demanded separation rate at required stability

Standard Product Sizes

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



SEM picture **cooltexx** 7270

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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	cooltexx	cooltexx	cooltexx
Fiber	polyester (coarse fibers)		7230	7250	7270	H 7210
Binder system	thermal					
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	100
Thickness	EN 29073T.2	mm	0.14	0.23	0.29	0.38
Air permeability at 100 Pa	DIN EN ISO 9237	l/m ² s	4420	3630	2520	1870
Max. tensile strength md	EN 29073T.3	N/5cm	63	116	175	230
Max. tensile strength cd	EN 29073T.3	N/5cm	62	108	170	220
Elong. at max. tensile strength md	EN 29073T.3	%	30	28	31	31
Elong. at max. tensile strength cd	EN 29073T.3	%	36	33	35	32



(•) 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.