

Nonwovens for Liquid Filtration – Industrial Applications

Product Profile: **cooltexx** Polyester Needled Nonwovens



Production Method Needling process	Material Polyester	Bonding Needled + thermal
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Type	Weight	Belt Filter Principle	Type of Processing
cooltexx 9210	100 g/m ²	Pressure/Vacuum	Grinding/Honing/Lapping [Fine Planing]
cooltexx 9215	150 g/m ²	Pressure/Vacuum	Grinding/Honing/Lapping [Fine Planing]

Product Advantages

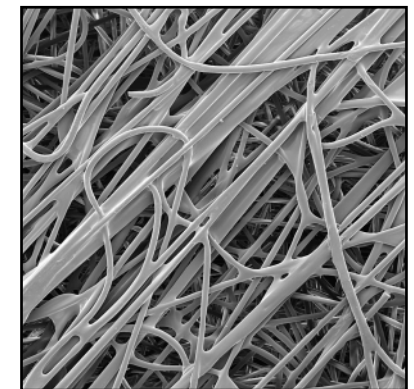
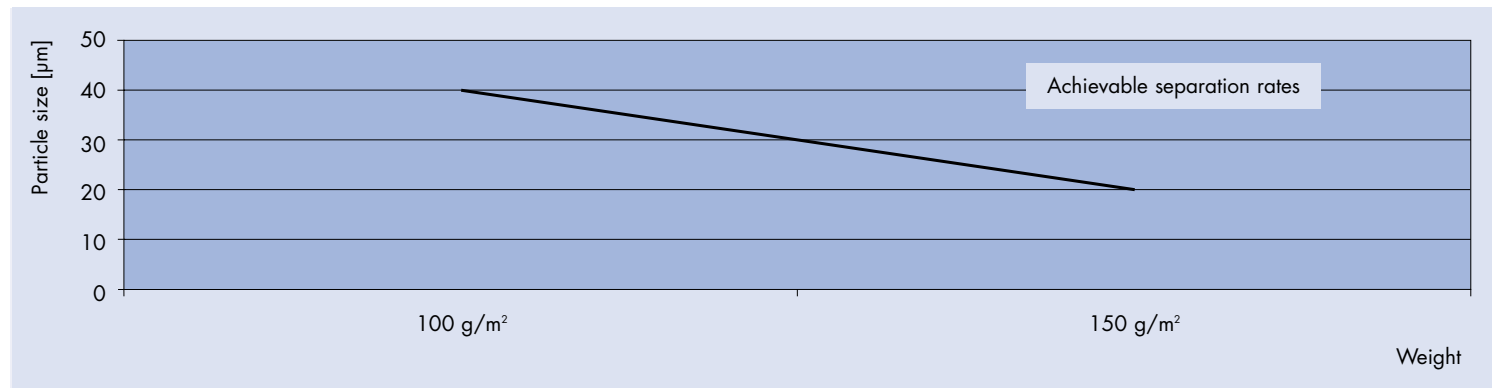
- Very long lifetime
- Low differential pressure
- Good separation rate, also for fine particles

Product Properties

- High void volume
- Depth filter – high media thickness
- Progressive nonwoven structure

Standard Product Size

Length [m]: 150, 250, 500
Width max. [mm]: 2000



SEM picture **cooltexx** 9215

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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 9210	cooltexx 9215
Fiber	polyester		
Binder system	needled + thermal		
Max. width	2000 mm		
Length of rolls	100, 150, 200, 250, 500 m		
Technical Data		Method of Testing	
Weight	EN 29073T.1	g/m ²	100
Thickness	EN 29073T.2	mm	0.9
Air permeability at 100 Pa	DIN EN ISO 9237	l/m ² s	1200
Max. tensile strength md	EN 29073T.3	N/5cm	90
Max. tensile strength cd	EN 29073T.3	N/5cm	130
Elong. at max. tensile strength md	EN 29073T.3	%	15
Elong. at max. tensile strength cd	EN 29073T.3	%	55



(•) 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.