

Bontec® NW

Needle punched and thermally bonded Nonwoven

Product Family Overview

	Test	Units	Bontec® NW 5	Bontec® NW 6	Bontec® NW 7	Bontec® NW 8	Bontec® NW 9	Bontec® NW 10	Bontec® NW 11	Bontec® NW 12
Mechanical Properties										
Tensile strength - MD	EN ISO 10319	kN/m	5	6	7	8	9	10	11	12
Tensile strength - CMD	EN ISO 10319	kN/m	5	6	7	8	9	10	11	12
Elongation at maximum load - MD	EN ISO 10319	%	45	45	45	45	45	45	45	45
Elongation at maximum load - CMD	EN ISO 10319	%	49	49	55	55	55	55	55	55
Static puncture resistance (CBR)	EN ISO 12236	kN	0.85	0.89	1.2	1.24	1.5	1.6	1.7	1.78
Dynamic perforation resistance (cone dr)	EN ISO 13433	mm	42	40	37	34	30	28	26	24
Hydraulic Properties										
Water permeability normal to the plane (	EN ISO 11058	l/m²s	125	120	115	110	108	106	105	105
Waterflow in the plane, @20 kPa	EN ISO 12958	m²/s			1x10-7		2x10-7	2x10-7	2x10-7	
Characteristic Opening Size (O90)	EN ISO 12956	µm	145	140	135	120	115	110	110	105
Physical Properties										
Thickness under 2 kPa	EN ISO 9863-1	mm	0.75	0.95	1,0	1	1.2	1.25	1.3	1.4
Weight	EN ISO 9864	g/m²	70	80	85	100	110	120	130	145
Roll Width (+/- 1%)		m	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25
Roll Length (+/- 1%)		m	200	100	100	100	100	100	100	100
Truck Load Volume (+/- 10%)		m²	117600	103950	94500	75600	75600	66150	46200	46200
Roll diameter (+/- 10%)		cm	33	25.5	26.5	29	30	31.5	34	35.5
Durability			Description							
Natural UV light	ASTM D 4355	100%	Polymer				PP			
Chemical Resistance	EN 14030	100%	Density				0.91			
Microbiological Resistance	EN 12225	100%	Melting Point				165			
Hydrolysis	EN 12447	100%	Construction				Fibres			
Oxidation resistance	EN ISO 13438	>90%								

The Quality Management System of Bonar has been approved to the ISO 9001 Quality Management System Standard. Certificates are available on request.



The information set forth in this data sheet reflects the best knowledge at the time of publication. The document is subject to change pursuant to new developments and findings. The same reservation applies to the properties of the products described. No liability is undertaken for results obtained by usage of the products and information.



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