

Technical data Datex™ KN (DA)

Non Woven for filtration and separation

Product	KN 7	KN 9	KN 10	KN 13	KN 15	KN 17	KN 20	KN 25	KN 35	KN 45	
	DA2	DA3-05	DA3-25	DA4-50	DA4-75	DA5	DA6	DA7	DA8	DA9	
Certification	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE	1213-CPD-3241
	ASQUAL	ASQUAL		ASQUAL		ASQUAL	ASQUAL	ASQUAL	ASQUAL		ASQUAL

Characteristic properties

Polymers and construction Nonwoven Geofabric made of needle punched continuous 100% polypropylene fibres with OPTIFORCE Swiss made by Landolt

Mechanical properties

												Norm		
weight		g/m ²	90	105	125	150	175	200	250	300	375	500	nom	EN ISO 9864
Thickness at	2 kPa	mm	1.3	1.4	1.6	1.7	1.9	2.3	2.5	2.7	3.3	3.6	nom	EN ISO 9863-1
Elongation at break	MD	%	55	55	55	55	55	55	55	55	55	55	nom	EN ISO 10319
	CMD	%	65	65	65	65	60	60	60	60	60	60	nom	
Tensile Strength	MD	kN/m	6	8	10	12	15	17	20	25	35	45	nom	EN ISO 10319
	CMD	kN/m	6	8	10	12	14	17	20	25	35	45	nom	
Static puncture Resistance	CBR	kN	0.9	1.2	1.4	1.8	2.1	2.3	2.9	3.4	4.7	6.4	nom	EN ISO 12236
Dynamic puncture test		mm	30	28	24	23	20	22	16	14	11	8	nom	EN ISO 13433
Puncture resistance	NFG	kN	0.6	0.8	1.0	1.2	-	1.6	1.9	2.4	2.8	-	nom	NFG 38-019

Hydraulic properties

Water permeability (vertical)		l/m ² ·s	185	140	110	96	90	77	51	39	29	20	nom	EN ISO 11058
Water flow in the plane	20 kPa	10-6 m ² ·s	1.3	1.9	2.5	2.2	2.1	2.4	2.7	3.0	3.5	2.7	nom	EN ISO 12958
	100 kPa	10-7 m ² ·s	3.5	3.1	2.8	3.8	9.0	4.6	5.6	7.0	6.9	1.0	nom	
Characteristic Opening Size		µm	106	102	83	87	80	70	<63	<63	<63	<63	nom	EN ISO 12956

Durability (degradation)- non ASQUAL

Resistance	%	95	95	95	95	95	95	95	95	95	95	95	min	SN 670 240
Resistance to sulphuric and lime milk	%	95	95	95	95	95	95	95	95	95	95	95	min	EN 14030
Biological stability	%	95	95	95	95	95	95	95	95	95	95	95	min	EN 12225

Standard dimensions

Colour marking		green	violet	grey	brown	red	yellow	blue	black	white	rose	
Length	m	200	200	200	150	150	150	150	150	100	100	
Width	m	2 4 5	2 4 5	2 4 5	2 4 5	2 4 5	2 4 5	2 4 5	2 4 5	2 4 5	2 4 5	
Diameter	cm	41	45	50	48	51	52	60	64	60	66	

Geotextile class- non ASQUAL

German Norms	GRK	1	2	2	3	3	3	4	5	5	5	
French Norms		2	3	3	4	4	5	6	7	8	9	

Function / Application

Intended use											
Application	EN 13 249	EN 13 250	EN 13 251	EN 13 252	EN 13 253	EN 13 254	EN 13 255	EN 13 256	EN 13 257	EN 13 265	

min = minimum value | max = maximum value (according to SN 670 240) | nom = nominal value

The values given are average obtained according to internal and external testing. We reserve the right to make changes at any in accordance with our knowledge, technology and experiences without any notice.