

Technical properties of *Drefon*° S-540

100% virgin high tenacity polypropylene fibres mechanically bonded by needle-punching without any chemical or thermic treatment, UV stabilized

property	standard test	unit	
areic mass	EN ISO 9864	g/m ²	540
thickness under 2 kPa	EN ISO 9863-1	mm	4,2
tensile strength CMD tolerance	EN ISO 10319	kN/m	40 -3,7
tensile strength MD tolerance	EN ISO 10319	kN/m	38 -3,6
elongation at break CMD tolerance	EN ISO 10319	%	90 ± 18
elongation at break MD tolerance	EN ISO 10319	%	90 ± 18
energy absorption index CMD	EN ISO 10319	kJ/m ²	18
energy absorption index MD	EN ISO 10319	kJ/m ²	17
static puncture (CBR test) tolerance	EN ISO 12236	kN	6,5 -0,65
dynamic perforation (cone drop test) tolerance	EN 918	mm	2,0 0,5
pyramid puncture tolerance	EN 14574	N	700 -70
characteristic opening size O₉₀ tolerance	EN ISO 12956	micron	70 ± 20
permeability normal to the plane (h=50 mm) tolerance	EN ISO 11058	l/m ² .s	47 -13
water flow in the plane (20 kPa, i=1) tolerance	EN ISO 12958	m ² /s	10 x 10⁻⁶ -4,0 x 10 ⁻⁶

The quality system is certified according to EN ISO 9001/2000.

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