

FILTER MEDIA CONVERSION CHART

PARAMETER	IMP./U.S. UNITS	S.I. UNITS	MULTIPLICATION FACTOR TO CONVERT:	
			IMP/US TO S.I.	S.I. TO IMP/US
AREA WEIGHT	OUNCE/SQ. YARD (oz/yd ²)	GRAM/SQ. METRE (g/m ²)	33.91	0.0295
LENGTH(LN)	YARD (yd)	METRE (m)	0.914	1.094
WIDTH (WD) & THICKNESS	INCH (in)	MILLIMETRE (mm)	25.4	0.039
YARNS/LN OR WD	ENDS/in or PICKS/in	ENDS/cm or PICKS/cm	0.394	2.54
TENSILE STRENGTH	POUNDS/2" SPECIMEN WIDTH	NEWTONS/5cm SPECIMEN WIDTH	4.45	0.225
BURSTING STRENGTH	POUNDS/SQ INCH (lbs/in ²)	KILOPASCALS (kpa)	6.89	0.145
		Kg/cm ²	0.0703	14.22
PERMEABILITY	FT ³ /FT ² /MIN @0.5 INCH H ₂ O	dm ³ /dm ² /min [⊛] @20mm H ₂ O	4.8	0.208
	⊛ FT ³ /FT ² /MIN @1/2" w.g.	litres/m ² /min @12.7mm w.g.	2.63	0.38
	⊛ FT ³ /FT ² /MIN @1/2" w.g.	m ³ /m ² /min @12.7mm w.g.	0.305	3.28
TEMPERATURE	°F	°C	0.555(°F-32)	1.8(°C+32)
AIR:CLOTH RATIO (AIR VELOCITY)	SCFM:FT ² (FPM)	m ³ /m ² /hr (m/hr)	18.29	0.055
PRESSURE	INCH H ₂ O	kpa	0.249	4.02
	PSIG	kpa	6.895	0.145
DUST LOAD	Grains/ft ³	mg/m ³	2380.95	0.00042

⊛ one dm³ = one litre = 1 x 10⁻³ m³

⊛ dm³/dm²/min @20mm H₂O is frequently referred to as 'litres DIN'