



Technical Datasheet

Daltext® Fusion is a polyethylene/polypropylene, sheath/core bicomponent spunbond nonwoven available in weights between 20 - 110g/m².

Available with a high sheath to core ratio, the polyethylene sheath provides exceptional softness and a lower melt point, while the polypropylene core provides durability, strength and improved abrasion resistance. With increased filament density, the nonwoven opacity is significantly improved over standard polyethylene spunbond.

Features

- ▲ Low melt polyethylene sheath with high strength polypropylene core
- ▲ Soft feel with improved strength and abrasion resistance, when compared to standard PE spunbond
- ▲ Increased filament density provides increased opacity, when compared to standard PE spunbond

Benefits

- ▲ Increase in strength and increased filament distribution, can enable weight reduction
- ▲ Polypropylene core increases strength and durability of the nonwoven, when compared to standard PE spunbond
- ▲ Low melt polyethylene sheath allows improved downstream lamination or bonding capabilities



DalTex[®] FUSION



Don & Low
MEMBER OF THRACE GROUP

TEST	METHOD	DALTEX [®] FUSION*					
			20	30	35	40	60
Fabric weight (g/m ²)	NWSP 130.1		20	30	35	40	60
Tensile Strength (N)	NWSP 110.4	MD	41	77	92	110	174
		CD	22	36	46	55	74
Elongation (%)	NWSP 110.4	MD	170	145	150	155	190
		CD	190	180	195	185	205
Tear Strength (N)	ASTM D1424-07a		5	6	6	7	6
Abrasion Resistance (Rubs @ 9kPa)	NWSP 020.5		-	-	-	300	>300

MD = machine direction, CD = cross/transverse direction

*All of the above are the expected values of DalTex[®] Fusion

All products are manufactured under BS EN ISO 9001.

This fabric is a development product that has been successfully trialled in limited quantities on our equipment. All dimensions and capacities quoted are approximate and the values provided are either based on theoretical data or a limited number of tests and should not be read as a final specification. To approve this as a full production grade and integrate it into our ISO 9001 system there are a number of steps that may still need to be taken. This could involve optimisation of process conditions or inclusion of a new raw material on our approved material lists. Additional trials may be necessary prior to product being approved. No commercial orders for this fabric can be taken whilst it remains a development grade. Development samples older than 12 months may require re-evaluation as raw materials may no longer be available.

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