

Technical Datasheet

DalTex[®] Fusion is a polyethylene/polypropylene, sheath/core bicomponent spunbond nonwoven available in weights between 15 - 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

		Test Method	DALTEX® FUSION							
Fabric weight (g/m²)	NWSP 130.1		15	20	30	35	40	50	60	80
Tensile Strength (N)	NWSP 110.4	MD	27	36	69	86	99	127	162	223
		CD	18	25	42	54	62	82	93	134
Elongation (%)	NWSP 110.4	MD	110	110	110	110	110	115	130	130
		CD	140	140	150	150	150	150	155	160
Tear Strength (N)	ASTM D1424-07a	MD	5	5.5	6	6	6.5	7	7.5	9
Abrasion Resistance (Rubs @ 9kPa)	NWSP 020.5						300		>300	

MD = machine direction, CD = cross/transverse direction

The values provided are based on a limited number of tests and should not be read as a final specification.



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