Daltex FUSION®

Don & Low
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Technical Datasheet

Daltex® Fusion is a polyethylene/polypropylene, sheath/core bicomponent spunbond nonwoven available in weights between 15 - 110g/m^2.

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

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	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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