

# Technical Datasheet

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

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

		<b>Test Method</b>		<b>DALTEX® FUSION</b>							
				<b>15</b>	<b>20</b>	<b>30</b>	<b>35</b>	<b>40</b>	<b>50</b>	<b>60</b>	<b>80</b>
<b>Fabric weight (g/m<sup>2</sup>)</b>	NWSP 130.1										
<b>Tensile Strength (N)</b>	NWSP 110.4	MD	27	36	69	86	99	127	162	223	
		CD	18	25	42	54	62	82	93	134	
<b>Elongation (%)</b>	NWSP 110.4	MD	110	110	110	110	110	115	130	130	
		CD	140	140	150	150	150	150	155	160	
<b>Tear Strength (N)</b>	ASTM D1424-07a	MD	5	5.5	6	6	6.5	7	7.5	9	
<b>Abrasion Resistance (Rubs @ 9kPa)</b>	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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