

Technical Datasheet

DalTex[®] Power is a next generation, high tensile polypropylene spunbond nonwoven available in weights between 20 – 110 g/m².

The high tensile properties enable weight reduction without sacrificing strength. The isotropic properties, for weights over 50 g/m², reduce the differential between machine direction (MD) and cross direction (CD) strength.

In addition, melt additives can be incorporated to impart additional functionality including; hydrophilic, hydrophobic and UV stabilisers.

Features

- ▶ Increased strength to weight ratio.
- ▶ Strength is broadly equivalent to a standard spunbond that is 50% heavier.
- ▶ Isotropic properties over 50 g/m² is achieved without sacrificing MD strength.

Benefits

- ▶ Reduced weight without sacrificing strength performance.
- ▶ High tensile strength combined with isotropic properties reduces the differential between MD and CD strength.

	Test Method		DALTEX® POWER*						
Fabric weight (g/m²)	NWSP 130.1		20	40	50	65	80	100	110
Tensile Strength (N)	NWSP 110.4	MD	61	133	161	209	245	291	309
		CD	37	86	147	190	223	265	281
Elongation (%)	NWSP 110.4	MD	95	105	105	90	85	80	75
		CD	95	105	125	105	100	100	95
Tear Strength (N)	ASTM D1424-07a	MD	4	6	8	9	10	TBC	TBC

MD = machine direction, CD = cross/transverse direction

*All of the above are the expected values of Daltex® Power

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