

TECHNICAL DATA SHEET

Product	Anti-Microbial Hydrophobic Spunbond Non-Woven Fabric
Raw Material Grade	Polypropylene Homo-polymer Fiber Grade
Melting Point	140-170 °C (284-338 °F)
Product Composition	Polypropylene Raw Material : 92% Coloring Additives : 2% Antimicrobial Additives : 3 % Hydrophobic Additives : 3 %
Anti-Microbial Activity (AATCC 100-2012)* & **	> 98 % reduction of microbes
Anti-Microbial Activity (ASTM E 2149 - 13a)**	> 98 % reduction of microbes
Bacterial Filtration Efficiency (BFE) (ASTM : F2101 – 2019)*	> 98 %

*Sample tests conducted at BTS, MUMBAI.

**Sample tests conducted at SITRA, COIMBATORE.

TENSILE STRENGTH PROPERTIES

S. No.	GSM	N/5cms		
		MD Force (N)	CD Force (N)	% Elongation
	Applicable Standard - WSP 130.1	Applicable Standard - WSP 110.4	Applicable Standard - WSP 110.4	Applicable Standard - WSP 110.4
1	25	≥ 25	≥ 13	≥ 40
2	30	≥ 30	≥ 15	≥ 40
3	40	≥ 56	≥ 36	≥ 50
4	50	≥ 70	≥ 45	≥ 50
5	60	≥ 84	≥ 54	≥ 50

OTHER INFORMATION:-

Based on silver ion technology, vital role of this fabric is to resist bacteria, fungi and algae. It contains active content of anti-microbial additive which is interferes with the microbe's cell metabolism, such that it cannot reproduce itself and hence keeping the product made of it fresh, hygienic and germfree.