

TECHNICAL DATA SHEET

Product	Flame Retardant Spunbond Non-Woven Fabric
Raw Material Grade	Polypropylene Homo-polymer Fiber Grade
Melt Flow Index	35 Gms /10 min.
Decomposition Temperature	≥ 300 °C (572 ° F)
Melting Point	140-170 °C (284-338 °F)
Product Composition	Polypropylene Raw Material : 91% Coloring Additives : 2% Flame Retardant Additives : 7 %
Recyclability	100% Recyclable and Reusable
Flammability Test (ISO 3795)	Self-Extinguishing
Limiting Oxygen Index (LOI) ASTM D 2863-2010	> 21
Ignitability Test (Cigarette Test) BS 5852-2006	PASS
Ignitability Test (Match Flame Test) BS 5852-2006	PASS

OTHER INFORMATION:-

Flame Retardant non-woven fabric imparts superior UV resistance, light stability, thermal stability, excellent polymer compatibility and high extraction and plate out resistance. On a continuous contact to fire it gives negligible smoke and dripping effect. Under an external heat flux the additives can form a shield with a low thermal conductivity that can reduce the heat transfer from the heat source to the material. It has multiple usages such as used as thermal liners in protective garments, Fire-blockers for Seat and Upholstery, flexible insulation panels for building construction and many more.