

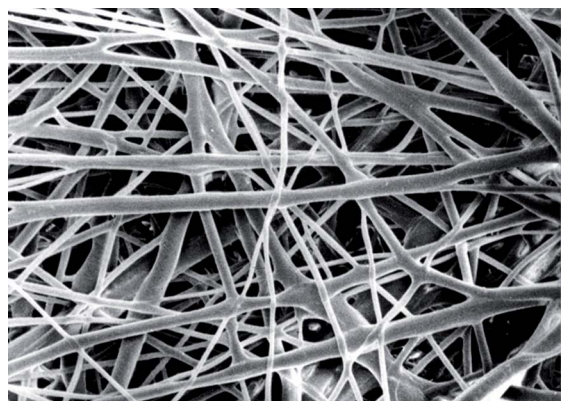
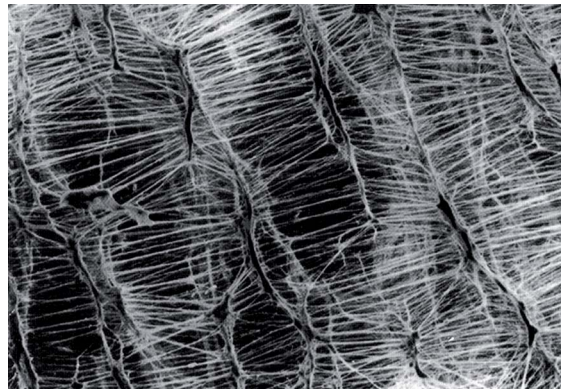
Filter materials Table

1. Features

MAHLE offers a wide selection of filter materials for dust filter cartridges. It is thus ensured that the right solution can be found for nearly any application..

Special filter materials with Web coatings, PTFE membranes or meltblown micro fibre fleece guarantee optimal costs and reliable long-term operation of dust collector systems.

Materials with FDA approval are available for the pharmaceutical and food industries.



2. Table

	Type	Material	electrical conduc- tive	Test certificates/ Dust classes	Air per- meability [l/m²s] Δp 200 pa	max. operating tempe- rature [°C]	Properties/ Applications
1	Ti 07	Polyester fleece with PTFE-membrane	yes	DIN EN 60335-2-69 "M"	40	130 (per- manent) 150 (peaks)	Hazardous areas, statically chargeable dusts, high load, difficult fine dusts
2	Ti 08	Polyester fleece	yes	DIN EN 60335-2-69 "M"	160	130 (per- manent) 150 (peaks)	Hazardous areas, statically chargeable dusts, chemical and food industry
3	Ti 10	Cellulose with PET-fibres	no	DIN EN 60335-2-69 "L" EN 779 "F8"	210	90 (per- manent)	High air permeability and stability be- cause of hydrophobe properties, gas turbines
4	Ti 15	Polyester fleece	no	DIN EN 60335-2-69 "M"	160	130 (per- manent) 150 (peaks)	High stability, chemical resistance, limi- ted washable, food industry
5	Ti 18	Polyphenyl sulphide with PTFE membrane	no	DIN EN 60335-2-69 "M"	55	160 (per- manent) 190*	Very good separation, difficult fine dusts, high chemical resistance to or- ganic solvents, alkalis and acids
6	Ti 19	Cellulose/polyester carrier with PP meltblown	no	DIN EN 60335-2-69 "M"	340	90 (per- manent)**	Very good separation, difficult fine dusts, high air permeability, high load
7	Ti 26	Glass fibre, laminated	no	DIN EN 60335-2-69 "H" EN 1822-3 "H14"	25	90 (per- manent)	Separation of airborne particulates, se- condary filter (not cleanable), high se- paration
8	Ti 42	Polyester fleece	no	EN 779 "F8/F9"	600	130 (per- manent)	Very high air permeability, high hydro- phobe properties, gas turbines
	Ti 55	Cellulose with PET fibres and water-repellent, fla- me-retardant impregnation	no	DIN EN 60335-2-69 "L" EN 779 "F8"	210	90 (per- manent)	High air permeability, high hydrophobe properties, gas turbines
9	Ti 56	Polyester fleece with PTFE membrane	no	DIN EN 60335-2-69 "M"	70	130 (per- manent) 150 (peaks)	Very good separation, difficult fine dusts, high load, food industry
10	Ti 69	Polyester fleece, oil and water-repellent	no	in progress	175	130 (per- manent) 150 (peaks)	High air permeability, very good cleanable, high stability, oil and water- repellent, food industry
11	Ti 70	Cellulose, unbleached	no	DIN EN 60335-2-69 "M"	110	120 (per- manent)	Good cleanable, ecologically harmless fabrication, improved wet strength
12	Ti 85	Cellulose with PET fibres M-web	no	DIN EN 60335-2-69 "M"	165	65 (per- manent)	Good cleanable, high separation ratio at poor pressure drop
	DRG5N	Stainless steel wire mesh 1.4404	yes		250	240 (per- manent) 260 (peaks)	Finely separation, food and pharma- ceutical industry, washable

* with reduced oxygen content

** only dry air