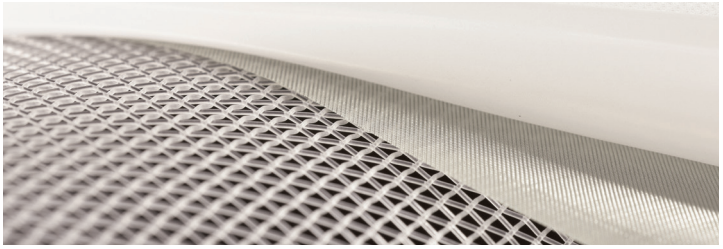
Material properties

TECHNICAL DATA

INDUSTRIAL MESH



PVF MESH & SCREEN TECHNOLOGY

	NL NYLON 6	NL NYLON 66	PT POLYESTER	PE POLY-ETHYLEN	PP POLY-PROYLEN	ETFE ETHYLEN-TETRAFLUORE.	PFA PERFLUOR-ALKOXY	PPS POLYPHENY-LENSULFID	PEEK POLYETHER-ETHERKETON	LCP POLY-ARYLAT	PVDF POLYVINYL-DIFLUORID
Tensile strength daN/mm²	41 - 67	41 - 67	45 - 75	33 - 59	35 - 62	40 - 50	-	60 - 91	33 - 75	80 - 100	68 - 79
Reduction of tensile strength in water	8 - 16 %	7- 12 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %
Elongation of break	20 - 60 %	20 - 35 %	15 - 30 %	8 - 35 %	20 - 50 %	25 %	-	25 - 35 %	20 - 40 %	10 - 20 %	20 %
Specific gravity	1,14	1,14	1,38	0,94 - 0,96	0,91	1,75	2,12 - 2,17	1,37	1,3	1,4	1,78
Water absorption 20 °C 65 % RH	3,5 - 4,5 %	3,5 - 4,0 %	0,4 - 0,5 %	0 %	0 %	0 %	260 %	0,6 %	0,1 %	0 %	0,05 %
Working temperature (dry)	115 °C	115 °C	150 °C	80 °C	110 °C	150 °C	260 °C	220 °C	250 °C	280 °C	110 °C
Softening point	180 °C	230 - 235 °C	220 - 240 °C	100 - 115 °C	140 - 160 °C	160 °C	290 °C	245 - 270 °C	300 °C	305 °C	148 °C
Melting point	215 - 220 °C	250 - 260 °C	250 - 260 °C	125 - 135 °C	165 - 173 °C	260 °C	305 °C	285 - 288 °C	343 °C	350 °C	175 °C
Light stability	limited	limited	limited	limited	limited	good	good	good	good	good	good
Acid resistence	limited	limited	limited	limited	limited	good	good	good	good	good	good
Alcaline resistence	limited	limited	limited	limited	limited	good	good	good	good	good	good
Solvent resistence	good	limited	good	limited	limited	good	good	good	good	good	limited
Hydrolysis resistence	good	good	limited	good	good	good	good	good	good	good	good