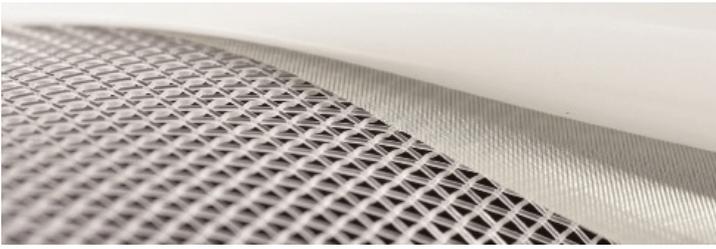


material properties

INDUSTRIAL MESH



PVF MESH & SCREEN
TECHNOLOGY

	NL Nylon 6	NL Nylon 66	PT Polyester	PE Polyethylene	PP Polypropylene	FC ETFE	PPS Polyphenylene sulfide
tensile strength (N/mm ²)	480 - 950	500 - 950	600 - 850	410 - 760	360 - 600	180 - 480	600 - 910
reduction of tensile strength with water	8 - 16%	5 - 10%	0%	0%	0%	0%	0%
specific weight	1,14	1,14	1,38	0,94 - 0,96	0,91	1,75	1,37
moisture absorption 20°C 65%RH	3,5 - 5%	3,5 - 5%	0,4 - 0,5%	0	0	0	0,6%
working temperature (dry)	-40 - 115°C	-40 - 115°C	-75 - 50°C	-30 - 90°C	-30 - 90°C	-190 - 150°C	until 190°C
softening point	180°C	230 - 235°C	238 - 240°C	100 - 115°C	140 - 160°C	150°C	200 - 220°C
melting point	215 - 220°C	250 - 260°C	255 - 260°C	125 - 135°C	165 - 173°C	260°C	285 - 288°C
resistance to light	limited	limited	limited	limited	limited	good	good
resistance to acid	limited	limited	limited	limited	good	good	good
resistance to alcali	good	good	limited	good	good	good	good
resistance to solvent	good	good	good	good	good	good	good
resistance to hydrolysis	good	good	limited	good	good	good	good

The above information is taken from publications and should be used for reference purposes only.