

FILTRATION FIBRE PROPERTIES

FIBRE (DIN SYMBOLS)	GENERIC NAME	RECOMMENDED OPERATING TEMP °C			SUPPORTS COMBUSTION	CHEMICAL RESISTANCE			TENSILE STRENGTH	ABRASION RESISTANCE	COMMENTS
		CONTINUOUS DRY	CONT.WATER VAPOUR-SAT	DRY SURGES		ACID	ALKALINE	HYDROLYSIS			
COTTON (BW)	CELLULOSE	100	85	110	YES	POOR	EXCELLENT	N/A	GOOD	FAIR	SUBJECT TO MILDEW ATTACK
NYLON (PA6)	POLYAMIDE 66	100	100	110	YES	POOR	VERY GOOD	GOOD	EXCELLENT	EXCELLENT	
RILSAN (PA11)	POLYAMIDE 11	90	90	110	YES	GOOD	EXCELLENT	VERY GOOD	EXCELLENT	EXCELLENT	
POLYETHYLENE (PE)	POLYOLEFIN	60	60	90	YES	EXCELLENT	EXCELLENT	EXCELLENT	VERY GOOD	VERY GOOD	
POLYPROPYLENE (PP)	POLYOLEFIN	90	90	110	YES	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	VERY GOOD	
POLYESTER (PES)	POLYESTER	150	100	180	YES	GOOD	POOR	POOR	EXCELLENT	VERY GOOD	TERYLENE & DACRON
ACRYLIC (PAN)	ACRYLIC HOMOPOLYMER	130	120	150	YES	VERY GOOD	FAIR	GOOD	FAIR	FAIR	DOLANIT & DRALON-T
KEVLAR		190		250		POOR	FAIR		SUPERB	GOOD	
RYTON (PPS)	POLYPHENYLENE SULPHIDE	190	190	230	NO	VERY GOOD	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	SHORT LIFE AT >15% O ₂ POOR WITH HALOGENS
NOMEX	POLYARAMID	200	170	230	NO	FAIR	EXCELLENT	POOR	VERY GOOD	VERY GOOD	ATTACKED BY OXIDISING AGENTS
P84 (PI)	AROMATIC POLYIMIDE	250	200	260	NO	EXCELLENT	FAIR	GOOD	GOOD	GOOD	
FIBREGLASS (GL)	GLASS	260	260	290	NO	GOOD	POOR	EXCELLENT	EXCELLENT	FAIR	USUALLY TEFLON B COATED
PTFE (PTF)	FLUOROCARBON	260	260	280	NO	EXCELLENT	EXCELLENT	EXCELLENT	FAIR	FAIR	TEFLON AND FLUON ARE TYPICAL NAMES
EXPANDED PTFE	FLUOROCARBON	260	260	288	NO	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	GORE-TEX® RASTEX®