

Description			PMMA GS	PMMA XT	PC	PA-6	^PA-6.6	PA-11	PA-12	PA-6G	POM
	METHOD	UNIT									
Density	DIN 53479	kg / dm ³	1,18	1,18	1,2	1,14	1,145	1,04	1,03	1,15	1,43
Tensile	DIN 53455	N / mm ²	80	72	60	60	70	42	46	60	70
Flex strength	DIN 53452	N / mm ²	115	120	90	110	120	45	42	135-80	100
Flex E-modules	DIN 53457	N / mm ²	3300	3300	2200	1800	2000	1800	1800	1700	3300
Impact strength	DIN 53453	KJ / m ²	12	12	not breakable	15	15	not breakable	not breakable	not breakable	7,5
Vicat-B processing Temp.	DIN 53460	°C	115	102	160	190	230	200	140	190	165
Maximum Temp. Short-time		°C	95	90	135	140-160	150-170	150	150	150-170	160
Maximum Temp. Long-time		°C	80	75	115	80-100	80-100	80	80	80-100	100
Minimum Temp.		°C	-50	-50	-100	-30-40	-30-40				-40
Coefficient heat conduction	DIN 52612	W/m°K	0,19	0,16	0,21	0,23	0,21	0,23	0,23	0,24	0,31
Coefficient of expansion	VDE 0304/1	mm/mm/°C	70.10E-6	70.10E-6	65.10E-6	70.10E-6	70.10E-6	100.10E-6	100.10E-6	5-6.10E-5	100.10E-6
Surface Resistance	DIN 53482	Ohm	5.10E+13	5.10E+13	10.E+14	10.E+10	10.E+10	2.10E+14	10.E+13	5.10E+12	10.E+13
Disruptive strength	DIN 53481	kV/mm	30	30	35	20	40	40	33	50	50
Water absorption %	DIN 53495	mg/24h	30	30	10mg/96h	3,5	3,5	1,8	1,6	3	0,5
Compression strength		N/mm ²	110	103	80	60	72	90	95		

Description			PVC extruded	PVC press	PF-W	PF-P	PE-200	PE-500-1000	PP	PVDF	PPO
	METHOD	UNIT									
Density	DIN 53479	kg / dm ³	1,45	1,4	1,4	1,4	0,96	0,94	0,92	1,78	1,06
Tensile	DIN 53455	N / mm ²	55	60	80	70	24	28/22	35	55	65
Flex strength	DIN 53452	N / mm ²	80	85	130	80	30	27	45	74	95
Flex E-modules	DIN 53457	N / mm ²	3300	3000	7000	7000	1100	900	1300	2100	2500
Impact strength	DIN 53453	KJ / m ²	3	2	35	8	not breakable	not breakable	not breakable	300	300
Vicat-B processing Temp.	DIN 53460	°C	75	76/78	160	160	70	70	86	150	130
Maximum Temp. Short-time		°C	75	70	125	125	80	90	160	170	110
Maximum Temp. Long-time		°C	60	60	120	120	70	80	100	160	85
Minimum Temp.		°C			-40	-40	-100	-140	-10	-20	-50
Coefficient heat conduction	DIN 52612	W/m°K	0,16	0,163	0,23	0,23	0,48	0,35/0,42	0,22	0,11	0,22
Coefficient of expansion	VDE 0304/1	mm/mm/°C	70.10E-6	70.10E-6	20-40.10E-6	20-40.10E-6	2.10E-4	1,3-2.10E-4	1,5.10E-4	1,2.10E-4	6.10E-5
Surface Resistance	DIN 53482	Ohm	10E12	10E13	10E8	10E8	10E13	10E13	10E13	10E13	10E16
Disruptive strength	DIN 53481	kV/mm	13	12	5	15	80	90	50	150	50
Water absorption %	DIN 53495	mg/24h	0,1%/4cl	0,1%/4cl	2,4	1,2	0,01%/4cl	0,005	0,01%/4cl	0,01%/4cl	0,1
Compression strength		N/mm ²	78		170	120					

