

PROPERTY	Standard	Units	Standard	Reinforced	Polar	Super Polar	Anti-Insect	Anti-static	Fire retardant	Super UV resistant	85 Sh.A	Colored	Screenflex
Light transmittance	ASTM D 1003	%	85	70	85	85	< 80	85	85	80	85	0 to 80	≤ 13
Shore A hardness	EN ISO 868	Sh A	80	80	65	62	80	80	80	80	85	65 to 85	80
Tearing resistance	DIN 53515	N/mm	50	80	28	25	50	50	65	50	65	28 to 65	55
Tensile strength at break	ASTM D 638 EN ISO 527	N/mm ²	16	16	12	10	16	16	20	16	20	12 to 20	18
Elongation at break		%	340	340	390	420	340	340	280	340	280	280 to 390	300
Residual elong. (after break)		%	68	60	76	80	68	68	60	68	60	60 to 76	62
Thermal conductivity	ASTM C 177	W/m.K	0,16	0,16	0,16	0,16	0,16	0,16	0,16	0,16	0,16	0,16	0,16
Cold bend brittle temp.	ISO 8570	°C	-35	-35	-40	-65	-35	-35	-20	-35	-20	-20 to -40	-25
Min. usage temp.	EN 1876	°C	-15	-15	-25	-60	-15	-15	0	-15	0	-15 to -25	-15
Max. usage temp.		°C	+50	+50	+30	+15	+50	+50	+50	+50	+50	+30 to +50	+50
Vicat softening temp.	EN ISO 306	°C	50	50	48	46	50	50	50	50	50	48 to 50	50
Specific heat capacity	ISO 11357	kJ/kg.K	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6
Sound reduction	DIN 52210	dB	>35	>35	>35	>35	>35	>35	>35	>35	>35	>35	>35
Reaction to fire	EN 13501-1:2007	Classe	-	-	-	-	-	-	Bs3,d0 Cs3,d0	-	-	-	EN 1598
UV resistance	ISO4892	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	High	Yes	Yes	High
Charge buildup	IEC 61087	Sparks	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
Surface resistivity	IEC 60093	Ω/□	4.10 ¹³	4.10 ¹³	4.10 ¹³	4.10 ¹³	4.10 ¹³	2.10 ¹²	4.10 ¹³	4.10 ¹³	4.10 ¹³	4.10 ¹³	4.10 ¹³
Water absorption	EN ISO 62	%	-0,2	-0,2	-0,2	-0,2	-0,2	1 to 1,6	-0,2	-0,2	-0,2	-0,2	-0,2
Anti-insect	-	-	No	No	No	No	Yes	No	No	No	No	No	No
Density	ASTM D 792	g/cm ³	1,22	1,23	1,18	1,18	1,22	1,22	1,33	1,22	1,29	1,2 to 1,5	1,2 to 1,3