



## PHYSICAL PROPERTIES OF FLEXIBLE PVC PRODUCTS

Property	Standard	Unit	Standard	Low Temp	Anti-Stat	Colored	Screenflex
Shore A hardness	EN 150868	Sh A	80	72	80	80	80
Tearing resistance	DIN 53515	N/mm	50	28	50	50	55
Tensile strength at break	ASTM D63 EN ISO 527	N/mm <sup>2</sup>	16	12	16	16	18
Elongation at break		%	340	390	340	340	300
Residual Elongation (a.break)		%	68	76	68	68	62
Thermal conductivity	ASTM C 177	W/m.K	0,16	0,16	0,16	0,16	0,16
Cold bend brittle temperature	ASTM D 746	°F	-31	-56	-31	-31	-31
Usage temperature range	EN 1876	°F	-10/150	-40/90	-10/150	-10/150	-10/150
Vicat softening temperature	EN ISO 306	°F	122	188	122	122	122
Specific heat capacity	ISO 11357	kJ/kg.K	1,6	1,6	1,6	1,6	1,6
Sound reduction	DIN 52210	db	>35	>35	>35	>35	<35
Reaction to fire	CSFM title 19: 1237 AWS F2	Compliant					Compliant
Light transmittance	ASTM D 1003	%	85	85	85	0To80	<13
UV/IR filter	AWS F2.M:2011	Compliant					Compliant
UV resistance	ISO4892		Yes	Yes	Yes	Yes	High
Charge buildup	IEC 61087	Sparks	Yes	Yes	No	No	Yes
Surface resistivity	IEC 60093	.10	40	40	2	2	40
Water absorption	EN ISO 62	%	-0,2	-0,2	1 To 1.6	1 To 1.6	-0,2
Density	ASTM D 792	g/cm <sup>3</sup>	1,22	1,18	1,22	1,22	1,22

## LIGHT TRANSMITTANCE DATA

Standard	Screenflex Red	Screenflex Green	Screenflex Bronze
200-315 Nm	<0.002	<0.002	<0.002
315-380 Nm	<0.01	<0.01	<0.01
400-500 Nm	0	0	0,2
Luminous Trans.	21,8	0,17	4,24
AWS F2.3 2011	PASS	PASS	PASS
ISO 25980	PASS	PASS	PASS

Ratings given for .240" thickness flexible PVC (.120" with full overlap). Thickness of material will influence actual results in the application.

## SOUND TRANSMISSION DATA

FREQ. (HERTZ)	TRANS. LOSS (dB)	FREQ. (HERTZ)	TRANS. LOSS (dB)
100	6	800	11
125	8	1000	1250
160	7	1250	14
200	8	1600	14
250	9	2000	15
315	10	2500	16
400	10	3150	16
500	10	4000	17
600	11	5000	17