



TECHNICAL SPECIFICATIONS

	Testing Procedure	Requirements	Badminton	SignaFlex 4.5	SignaFlex 6.5	SignaFlex 8.0
Total Thickness			3.9mm	4.5mm	6.5mm	8.0mm
Roll Width			5' 11"	5' 11" ft	5' 11" ft	5' 11" ft
Roll Length			52' 6"	65' 5" ft	49' 2" ft	36' ft
Weight			2.5 kg/m ²	3.1kg/m ²	4.2 kg/m ²	5.2 kg/m ²
Shock Absorption	DIN V18 032-2	min. 25%	>25%	>25%	>25%	>25%
Sliding Properties	DIN V18 032-2	min.4; max .6	.58 - .60	.40 - .60	.40 - .44	.57 - .59
Vertical Deformation	DIN V18 032-2	max 3.0mm	.7mm	1.4mm	.9mm	1.9mm
Area Deflection	DIN V18 032-2	max. 0%	0%	0%	0%	0%
Ball Rebound	DIN V18 032-2	min. 90%	99%	99%	99%	98%
Behavior Under Rolling Load	DIN V18 032-2	1000N	1000N	1000N	1000N	1000N
Impact Resistance	DIN V18 032-2	min. 8Nm	8Nm	12Nm	12Nm	11Nm
Residual Impression	DIN V18 032-2	max. .5mm	.13mm	.19mm	.17mm	.22mm
Chemical Resistance	KS M 3802-99		Excellent	Excellent	Excellent	Excellent
Loss on Heating	KS M 3802-99	<2.5%	1%	1%	0.90%	0.90%
Dimension Stability by Heating	KS M 3802-99	<.5%	.03 (W); .04(L)	.01 (W); .03(L)	.03 (W); .04(L)	.02%(W).05% (L)
Evaluation of Microbial Action	ASTM G21-96		Class 0	Class 0	Class 0	Class 0
Bacterial Reduction Rate	FC-TM-20-01		99.80%	99.80%	99.8	99.80%
Sound Isolation			Δ 20 dB	Δ 24 dB	Δ 25 dB	Δ 28 dB

The above value may change for quality improvement without notice.