

Technical Properties of:

senosan® A50EG SOFTFEEL MATT

Construction:

Multilayer composite with a carrier layer made of high impact ABS, coextruded with a top layer made of matt TPU. The backside of the sheet is equipped with an easyglide® layer. senosan® A50EG SOFTFEEL MATT is not recommended for outdoor applications due to insufficient UV-stability.

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Characteristics		Value	Unit	Test method
PHYSICAL PROPERTIES				
Density	23°C	$\geq 1.05 \leq 1.11$	g/cm³	ISO 1183-1
MECHANICAL PROPERTIES				
Tensile E-Modulus	23°C	1 800	MPa	ISO 527
Yield stress	23°C	32	MPa	ISO 527
Elongation at break	23°C	72	%	ISO 527
Charpy notched impact strength	23°C	14	kJ/m²	ISO 179/1epA
Abrasion resistance	H18, 550g, load 1000 cycles	10	mg/100 U/min	DIN 53754
THERMAL PROPERTIES				
Vicat B/50	50N / 50K/h	96	°C	ISO 306
HDT-A	1.82 MPa	94	°C	ISO 75
BURNING BEHAVIOUR				
Flammability classification*		HB		UL 94
Flammability certification		fulfilled (3-6,5mm)		ECE -R118 (Annex 6)
		fulfilled (3-6,5mm)		ECE -R118 (Annex 7)
MISCELLANEOUS PROPERTIES				
Moulding shrinkage		$\geq 0.5 \leq 0.9$	%	GENERAL TEST METHOD
Thermoforming temperature range		$\geq 160 \leq 200$	°C	GENERAL TEST METHOD

* tested on raw materials (natural colour, thickness = 1.6 mm) used in this product.

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