

senosan [®]		AM1700X	
TECHNICAL DATA SHEET	EDITION:02	DATE: 21.06.2010	file: AM1700X_E.doc

CONSTRUCTION: Coextruded ABS/PMMA sheets with high gloss, scratch resistant acrylic top layer which is modified with a very thin protection layer. To improve efficiency of the protection layer the PMMA surface can be polished by a soft rag after removing the PE-Film.

DIMENSIONS:
Thickness: 0,60 mm to 1,00 mm
Width: 400 mm to 1.450 mm

<u>MECHANICAL PROPERTIES</u>	<u>TESTMETHOD</u>	<u>UNIT</u>	<u>VALUES</u>
Abrasion resistance	DIN 53754 (mod)	mg/50 U.	2
Scratch resistance	DIN 68861/T4	[N] Rating group 4 E	0,9
Assessment of surface to mechanical damage	DIN 53799/T4.4.2	[mm]	8
Assessment to cold liquids	DIN 68861/T1	Rating group 1 B	
Assessment of surface resistance to dry heat	DIN 68861/T7	[°C] Rating group 7 D	75
Assessment of surface resistance to wet heat	DIN 68861/T8	[°C] Rating group 8 B	70
Assessment of surface resistance to water vapour	DIN 53799/T4.11	No visible changes	

OPTICAL PROPERTIES

Top surface gloss	DIN67530	GLE (gloss units)	> 85 GLE high gloss
Weatherability, UV-resistance Delta E panels – indoor application	furniture EN ISO 4892-2 Total colour difference h Xenon - Test	after 200	1,7

ADDITIONAL

Density	DIN 53479	g/cm ³	1,09 +/-0,02
Burning resistance	UL Standard 94		94 HB
Surface protection delivery condition		PE-Protective-film	

SPECIAL ADVICE

Customers have to assure that the protective film of AM1700X **should not** be removed before lamination process. After the removal of the protective film the gloss surface of AM1700X should not come into contact with other materials and surfaces as well as secondary operation such as lamination, glueing and printing as the polish can have a negative effect on it.. Generally it's **not** recommended to print or glue on AM1700X high gloss surface (front side). For best bonding results adequate surface-tension is required, but as surface-tension is influenced by storing conditions and storing time, customers are responsible for adequate values and we recommend a refreshment by corona-, plasma- or flametreatment immediately before bonding.

The technical characteristics are measured on the semi finished product. Deviations caused by varying colours and processing tolerances cannot be quantified.
Advice: The properties of thermoplastics change by exposing to heat, radiation and humidity. The material ages. The above mentioned values relate to the quality of the semi finished product directly after extrusion unaccounted for influences by ageing.

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