

PRODUCT:

premium acrylic

DESCRIPTION:

Coextruded multilayer sheet made of a main extrusion ABS layer and high scratch resistant PMMA top layer. Polishable surface protected by a 50 micron PE film.

APPLICATION:

Furniture Industry: Flat Lamination & Postforming

DATE:

April 2019

CHARACTERISTICS	TEST METHOD	UNIT	VALUE
PHYSICAL PROPERTIES			
Density	ISO 1183-1	g/cm ³	1,07-1,11
MECHANICAL PROPERTIES			
Scratch resistance	DIN 68861/T4	N	1,2
	Pencil Test	Visual	6H
Abrasion resistance	DIN 53754	mg/100U/min	6
Resistance of surface to mechanical damage	DIN 53799/T4.4.2	mm	7
THERMAL PROPERTIES			
Resistance to dry heat	DIN 68861/T7	°C	100
Resistance to wet heat	DIN 68861/T8	°C	100
OPTICAL PROPERTIES			
Top surface gloss	DIN 67530	GLE	>85
Color fastness*	ISO 4892-2		1,7
BURNING BEHAVIOUR			
Flammability**	UL94		HB
OTHER PROPERTIES			
Chemical resistance	DIN 68861/T1		No changes
Thermoforming temperature range		°C	180-190
Behaviour to water vapour	DIN 53799/T4.11		No changes

* Total colour difference after 200h Xenon test

** Flammability is rated on raw material data (>1,6mm.)

PREMIUM acrylic sheets are tested to UV exposure as shown on the above datasheet. However, location of end furniture may accelerate their normal color aging if these are located in window areas where temperature is high and/or exposition to light sources in continuous.

PE protection film must not be removed until the end furniture it's been installed, and once done, the acrylic surface it's not recommended to be contacted with other materials apart from the proper ones for its cleaning and potential polishing.

In order to optimize the attaching process, storing time and conditions are key enabling the attaching surface to perform correctly. Otherwise, the Corona treatment provided by PLASNOR might be affected. Application conditions and other materials used along this process may cause slight deviation from above data.

Above data is non-binding and it's been provided in good faith and without any compromise by PLASNOR, which is not liable for further operations carried out with and on our acrylic sheets such as, lamination, cut to size,... It's purchasers responsibility to check whether the supplied products are fit for their use.

The selling of our products it's done by following our General Selling Conditions.