



TECHNICAL SHEET MP3

ACRYLAC 500 PX

This product is obtained by a process of extrusion of layers of ABS (copolymer of STYRENE, BUTADIENE, ACRYLONITRILE) and of PMMA (polymer of METHYLMETHACRYLATE). It is characterised by medium mechanical strength, high rigidity, and good physical properties. The layer of PMMA gives the product an excellent appearance, high resistance to abrasion, and, if it is coloured, protection from UV rays, which slows its ageing and colour change. It is extruded in sheets in a wide range of colours, smooth, and in different sizes of embossing grains.

PROPERTY	TEST METHOD			VALUE	
	ISO	DIN	ASTM		
SPECIFIC WEIGHT	1183	53479	D-792	1,10	g/cm ³
TRACTION					
Yield strength	R-527	-	D-638	45	N/mm ²
Elastic modulus	R-527	-	D-638	1940	N/mm ²
Ultimate tensile strength	R-527	-	D-638	38	N/mm ²
IMPACT STRENGTH					
Charpy at 23°C impact side: PMMA	179/1fa	53453	-	22	KJ/m ²
Charpy at 23°C impact side: ABS	179/1fa	53453	-	10	KJ/m ²
SOFTENING TEMPERATURE					
Vicat	306A		D-1525-B	110	°C
HDT A	75/A	53461-A	D-648	100	°C

To the best of our present knowledge, the data refers to the neutral material (uncoloured and without additives) and is only indicative, since the properties of the finished product, in comparison with the properties of the granular materials, can undergo variations due to the processes of extrusion, thermoforming, and ageing, and to the presence of colorants and additives.

The information and data cited here do not constitute nor imply, in general terms, any guarantee or obligation on the part of MP3.

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