



## TECHNICAL SHEET MP3

### MP STIR (Sheets)

It is obtained by means of an extrusion process of one or more layers of IMPACT-RESISTANT POLYSTYRENE (HIPS) with mechanical properties that can be varied according to customer's needs. It is extruded in a wide range of colours, in one and two colours, glossy, half-glossy, and mat, smooth and in different sizes of embossing grains. Upon request it can be supplied with a UV-protection treatment which slows its ageing and colour change. It is manufactured on request in compliance with the requirements of DIRECTIVE 2002/72/CE "Plastic materials intended to come into contact with food" and its amendments and accompanied by the relevant declaration of suitability.

PROPERTY	TEST METHOD			VALUE	
	ISO	DIN	ASTM		
SPECIFIC WEIGHT	1183	53479	D-792	1,05	g/cm <sup>3</sup>
TRACTION					
Yield strength	R-527	-	D-638	18	N/mm <sup>2</sup>
Elastic modulus	R-527	-	D-638	1850	N/mm <sup>2</sup>
Ultimate tensile strength	R-527	-	D-638	21	N/mm <sup>2</sup>
IMPACT STRENGTH					
Notched bar Izod strength at 23°C	180/4A	-	D-256/A	100	J/m
Notched bar Charpy strength at 23°C	179	53453	-	8	KJ/m <sup>2</sup>
SOFTENING TEMPERATURE					
Vicat B50 (50N)	306	53460	D-1525/A	88	°C

To the best of our present knowledge, these data refer to the neutral material (uncoloured and without additives) and are only indicative, since the properties of the finished product, in comparison with the properties of 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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