

cod.	Description	Referement specify
	<b>Technical data sheet (solid sheets)</b>	

**PHYSICAL PROPERTIES (PP)**

Properties	Method	Units	Value
Specific gravity	ISO 1183	g/cm <sup>3</sup>	0,907
Water absorption	ISO 62	%	0,02

**MECHANICAL PROPERTIES (PP)**

Properties	Method	Units	Value
Tensile strength (50mm/min)	ISO 527	Mpa	25
Elongation at break (50 mm/min)	ISO 527	%	10
Flexural modulus	ISO 178	MPa	900
Impact strength IZOD (23° C)	ISO 180	KJ/m <sup>2</sup>	16
Shore D hardness	ISO 868	-	82

**THERMAL PROPERTIES (sheets)**

Properties	Method	Units	Value
Dilatation coefficient	ISO 11359-2	mm/m°C	a 20°C 1,1·10 <sup>-4</sup>
			a 80°C 1,7·10 <sup>-4</sup>

Polypropylene have excellent mechanical, tear and shock resistance at 23°C. These properties are severely weakened by low temperatures, especially near or below 0°C. If you have a specific requirement for use at low temperatures, please contact us

1	aggiornamenti legislativi			28/04/2011
0	emissione			17/04/2008
Revisione	Motivo			Data
TEC 	PRO 	SIC	SAQ 	DIGE 

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***ELECTRICAL PROPERTIES (sheets)***

Properties	Method	Units	Value
Surface resistivity (standard)	ASTM D 257	Ω	ca. 10 <sup>14</sup>
Surface resistivity (antistatic)	ASTM D 257	Ω	ca. 10 <sup>10</sup>

***CHEMICAL RESISTANCE***

Resist to water, fats, alcohols, and also certain solvents. Polypropylene is a polymer which will swell if exposed to certain solvents, which can cause the material to curl

***PRINTING***

Corona treated on both sides is guaranteed for 3 months from the date of manufacture, marked on each packet. It also recommended that special inks for polypropylene are used

***CUTTING AND CREASING***

It's recommended converting the material at temperatures around 20°C. Cutting and creasing are possible on manual and auto plattens

***OTHER INFORMATION***

Sheets need between 24 or 48 hours after delivery to acclimatize at room temperature (around 20°C).  
Do not stack the pallets. Remove the banding from the pallets on receipt

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# TECHNICAL DATA SHEET( Sc.T.)

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Food regulation : comply with Commition Regulation (EU) n° 10/2011 of 14.01.2011 relating to plastics materials and articles intended to come into contact with foodstuffs as well as its successive amendments

Coneg norm (USA) & Directive 94/62/EC :  
Heavy metals ( cadmium, lead, mercury, and chromium (VI)) content below 100ppm

RoHS Directive 2002/95/EC ( European Parliament and the Council of 27 January 2003 ) : comply with requirements on the restriction of use of certain hazardous substances In electrical and electronic equipment

Directive 2009/48/CE about of the safety of the toys: In compliance with the Decree, excluded the part concerning the inflammability, that must requested on purpose. It is on responsibility of the user of the semifinished item to supply the total certification.

Test results based upon raw material at our best knowledge at this time.  
The technical data concerning our products are not binding and are given for guidance only

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