

## Data Sheet - APET Boards

Date	11/08/2009
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Product	<b>APET Boards</b>
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Applications	Printed and Non Printed Packaging
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### **Production capabilities**

Width	540 - 1100	[mm]
Length	350-1500	[mm]
Thickness	200 - 600	[ $\mu$ m]

surface tension level	38-46	dyn/cm
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On line cutting Tolerance	-0	[mm]
	+5	
Thickness Tolerance	+10	[ $\mu$ m]
	-30	
Angular Tolerance	$\pm 0.2$	[degree]
Flatness	4	[mm]

Max. Pallet height	1000	[mm]
Max. Pallet weight	700	[Kg]

### **Material property**

Material	APET (Amorphous Polyethylene Terephthalate)	
Material composition	virgin / recycled (rPET)	
Additives	Anti Block, colors	
Cast process	mono or multi layeres (ABA, AB)	
Colors	transparent, *opaque, *semi transparent	

\*standard colors or as request by the customer

### **Properties**

Density	1.36	[g/cc]
Tensile strength, Ultimate	55	[MPa]
Tensile Modulus, 1mm/min	2.47-3.00	[GPa]
Flexural Yield Strength	80	[MPa]
Hardness, Rockwell R	110	
Izod Impact, Notched	1.4	[J/cm]
Initial Tear Strength	18-54	[g $\mu$ m <sup>-1</sup> ]
T <sub>g</sub> Glass Temp.	73-78	[°C]