

## TECHNICAL DATA SHEET

<b>CORE MATERIAL: PP</b>			
<b>Dimensions</b>			
Width x Length (mm): -			
Thicknesses (mm) : 19			
Density (gr/m <sup>2</sup> ):1900			
<b>Rheological properties</b>			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	1.3
<b>Mechanical properties</b>			
Tensile Strength at Yield	ISO 527-3	Mpa	29
Elongation at Yield	ISO 527-3	%	6
Tensile modulus	ISO 527-3	Mpa	1500
Flexural modulus	ISO 178	Mpa	1400
Izod Impact Strength (notched)	ISO 180	kJ/m2	
at 23°C		>50	
at -20°C		9	
Charpy Impact Strength (notched)	ISO 179	kJ/m2	
at 23°C		>50	
at -20°C		10	
Hardness Rockwell - R-scale	ISO 2039-2	82	
<b>Thermal properties</b>			
Melting Point	ISO 3146	°C	165
Vicat Softening Point	ISO 306	°C	
50N-50°C per hour		75	
10N-50°C per hour		151	
Heat Deflection Temperature	ISO 752	°C	
1.80 Mpa - 120°C per hour		54	
0.45 Mpa - 120°C per hour		92	
<b>Chemical properties:</b>			
Flammability	SAE J369-2007	Class	B

## LAMINATION MATERIAL: PP

### Dimensions

Width x Length (mm): -  
Thicknesses (mm) : 1mm PP  
Density (gr/m<sup>2</sup>): 950

### Mechanical properties

Tensile Strength at Yield	ISO 527-3		29
	Mpa		
Elongation at Yield	ISO 527-3	%	6
Tensile modulus	ISO 527-3	Long.	1500
	Mpa	Transv.	1400

### Thermal properties

Melting Point	ISO 3146	°C	165
Vicat Softening Point	ISO 306	°C	
50N-50°C per hour			75
10N-50°C per hour			151
Heat Deflection Temperature	ISO 752	°C	
1.80 Mpa - 120°C per hour			54
0.45 Mpa - 120°C per hour			92

### Chemical properties:

Flammability	SAE J369-2007	Class	B
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## HEXAPAN

### Dimensions

Composition: 1 mm PP Natural skin  
Width x Length (mm): -  
Thicknesses (mm) 20mm PP  
Density (gr/m<sup>2</sup>): 4000

### Mechanical properties ASTM C393

Core shear stress at maximum force	MPa	Long.	3800
	MPa	Transv.	3300
Cover layer flexural stress at force maximum	MPa	Long.	28
	MPa	Transv.	20
Elongation	%	Long.	1,4
	%	Transv.	0,7