

TECHNICAL DATA SHEET

| CORE MATERIAL: PP | | | |
|----------------------------------|---------------|----------|------|
| Dimensions | | | |
| Width x Length (mm): - | | | |
| Thicknesses (mm) : 4-5 | | | |
| Density (gr/m ²):500 | | | |
| Rheological properties | | | |
| Melt Flow Index 230°C/2.16 kg | ISO 1133 | g/10 min | 1.3 |
| Mechanical properties | | | |
| 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 | |
| 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 |

LAMINATION MATERIAL: PP

Dimensions

Width x Length (mm): -
Thicknesses (mm) : 1mm
Density (gr/m²): 750

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 |
|--------------|---------------|-------|---|

HEXAPAN

Dimensions

Composition : 100% PP
Width x Length (mm): -
Thicknesses (mm): 5
Density (gr/m²): 2000±10%

Mechanical properties

| | | | |
|---------------------------------------|-------------|---------|---------|
| Applied Force | ASTM C393 M | N | 150 |
| Maximum Deflection at Aplied Force | mm | Long. | 2,6 mm |
| | mm | Transv. | 1,91 mm |

Chemical properties:

| | | | |
|--------------|---------------|-------|---|
| Flammability | SAE J369-2007 | Class | B |
|--------------|---------------|-------|---|

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