

Preliminary **TECHNICAL DATA** (02-2010)

PET CORE

Polyethylene Terephthalate - Welded

| | | | AC 80 | AC 100 | AC 115 | AC 135 |
|-----------------------------|------------------|-------------------|-------------------|---------------------------|--------------------|--------------------|
| Density | ISO 845 | kg/m ³ | 80 ⁽¹⁾ | 100 ⁽¹⁾ | 115 ⁽¹⁾ | 135 ⁽¹⁾ |
| Compression Strength | ISO 844 | MPa | 1,0 | 1,5 | 1,8 | 2,5 |
| Compression Modulus | ISO 844 | MPa | 60 | 70 | 80 | 90 |
| Shear Strength | ISO 1922 | MPa | 0,5 | 0,9 | 1,0 | 1,3 |
| Shear modulus | ISO 1922 | MPa | 15 | 20 | 25 | 30 |
| Shear elongation | ISO 1922 | % | 35 | 30 | 20 | 15 |
| Tensile Strength | ASTM C297 | MPa | 1,4 | 1,6 | 1,8 | 2,5 |
| Tensile Modulus | ASTM C297 | MPa | 45 | 55 | 65 | 68 |
| Fire Resistance Class (FST) | NF F 16 101 | | F1 | F1 | F1 | F1 |
| Thermal Conductivity @40°C | ISO 12667 | W/mK | 0,032 | 0,034 | 0,035 | 0,037 |
| | | | | | | |
| | Thickness | Length | Width | Diagonal | | |
| Dimensions (mm)** | from 5 to 120 | up to 2500 | up to 1250 | Depending on length/width | | |
| Tolerances (mm) | +/- 0,5 | +/- 5 | +/- 5 | < 4 | | |

 (1) Tolerances +/-5 kg/m³.

** Standard dimension: 2.440 x 1.005 (mm)

All values are average production figures. Please note that all values are preliminary.