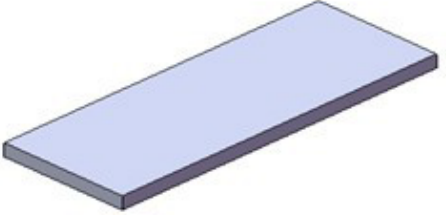
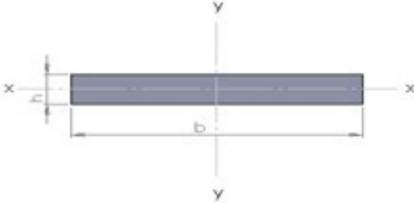


100X10 LAMA PROFİL

| PROFİL KODU | PROFİL EBATLARI | | A (mm ²) | G (gr/m) | EĞİLME EKSENİ VE KESİT ÖZELLİKLERİ | | | | | |
|-------------|-----------------|-------|----------------------|----------|------------------------------------|---------------------|-------|---------------------|---------------------|-------|
| | b(mm) | h(mm) | | | X-X EKSENİ | | | Y-Y EKSENİ | | |
| | | | | | I(mm ⁴) | W(mm ³) | r(mm) | I(mm ⁴) | W(mm ³) | r(mm) |
| FRP-LM-007 | 100 | 10 | 1000 | 1800 | 8333 | 1666,6 | 2,89 | 833333 | 16666,7 | 28,9 |

PULTECH FRP CTP YAPI PROFİLLERİ

A= kesit alanı
G= Birim boy ağırlığı
I= Atalet momenti
W= mukavemet momenti
r= Atalet yarıçapı



ÖZELLİKLER / PROPERTIES

| Mechanical | Test Method | Units | Min. Value |
|---------------------------|-----------------------------------------|-------|-------------|
| Tensile Stress (LW) | ASTM D638 / EN ISO 527 -4 | MPa | 137,9 / 240 |
| Tensile Stress (CW) | ASTM D638 / EN ISO 527 -4 | MPa | - |
| Tensile Modulus (LW) | ASTM D638 / EN ISO 527 -4 | GPa | 12,4 / 23 |
| Tensile Modulus (CW) | ASTM D638 / EN ISO 527 -4 | GPa | - |
| Compressive Strength (LW) | ASTM D695 | MPa | 165,4 |
| Compressive Strength (CW) | ASTM D695 | MPa | 137,9 |
| Compressive Modulus (LW) | ASTM D695 | GPa | 12,4 |
| Compressive Modulus (CW) | ASTM D695 | GPa | 6,9 |
| Flexural Strength (LW) | ASTM D790 / EN ISO 14125 | MPa | 206,8 / 240 |
| Flexural Strength (CW) | ASTM D790 / EN ISO 14125 | MPa | - |
| Flexural Modulus (LW) | ASTM D790 | GPa | 13,8 |
| Flexural Modulus (CW) | ASTM D790 | GPa | - |
| Modulus of Elasticity | Full Section / Annex D, EN ISO 13706 -2 | GPa | - |
| Shear Modulus | Full Section | GPa | - |
| Interlaminar Shear (LW) | ASTM D2344 / EN ISO 14130 | MPa | - / 25 |
| Notched Izod Impact (LW) | ASTM D256 | J/mm | 1,02 |
| Notched Izod Impact (CW) | ASTM D256 | J/mm | 0,26 |
| Bearing Strength (LW) | ASTM D953 / Annex E, EN 13706 -2 | MPa | 220,6 / 150 |
| Bearing Strength (CW) | ASTM D953 / Annex E, EN 13706 -2 | MPa | - |
| Poisson's Ratio (LW) | ASTM D3039 | - | 0,31 |

(LW) = Lengthwise, (CW) = Crosswise, (PF) = Perpendicular to Laminate Face

| Physical | Test Method | Units | Min. Value |
|-----------------------|-------------------------|--------------------|------------------------------|
| 24hr Water Absorption | ASTM D570 / EN ISO 62 | % by wt | 0,6 / 0,4 |
| Barcol Hardness | ASTM D2583 | - | 40 |
| Density | ASTM D792 / EN ISO 1183 | gr/cm ³ | 1,66 - 1,88 / 1,71 - 1,93 |