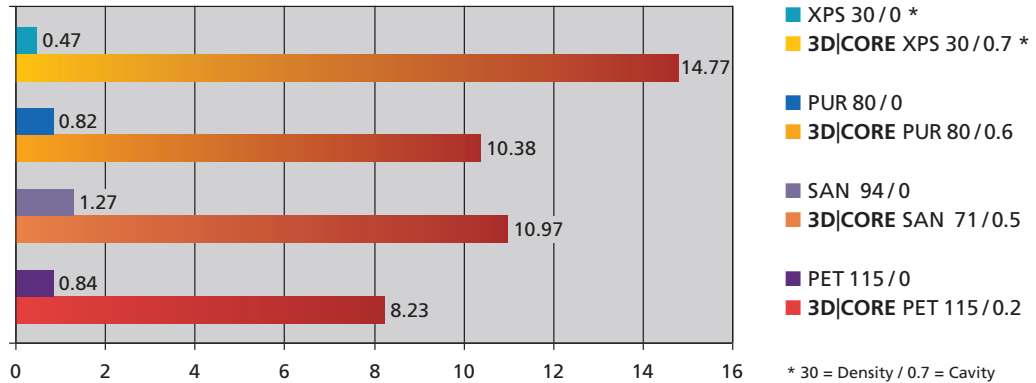
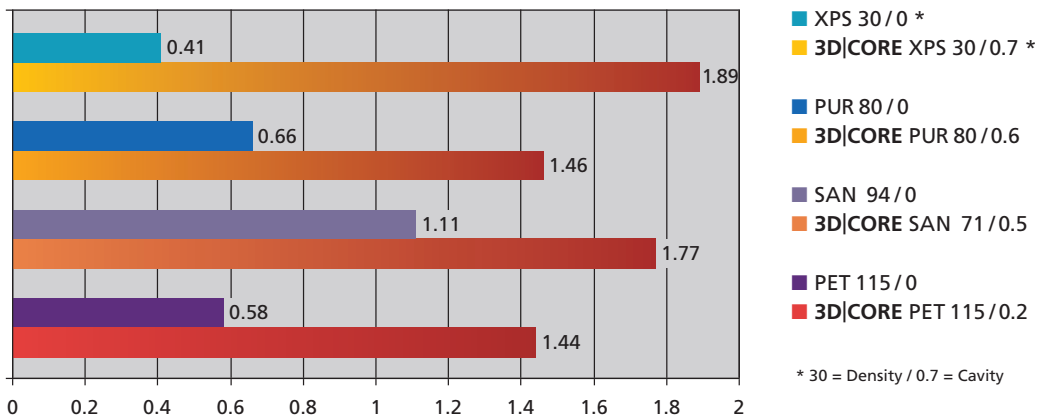


COMPARISON OF TECHNICAL DATA REGULAR FOAM CORES vs. 3D-CORE™ SAMPLES

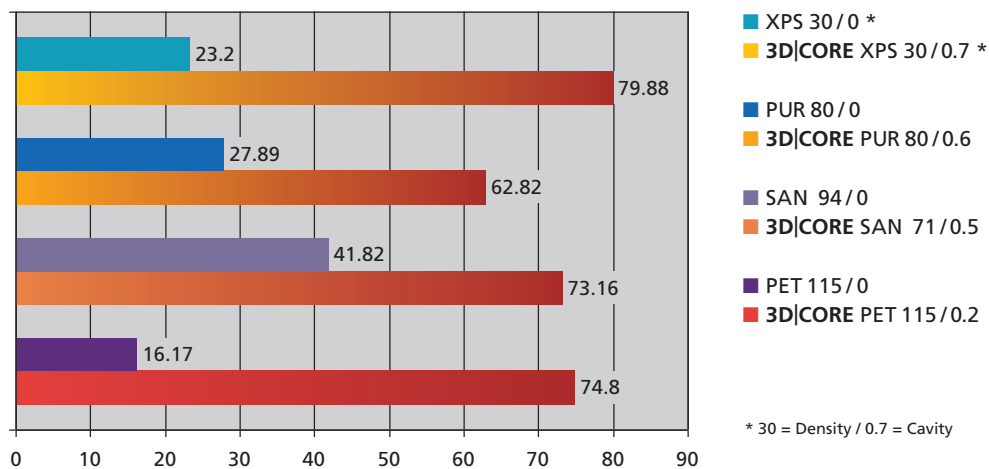
Compression strength Mpa



Shear stress τ Mpa



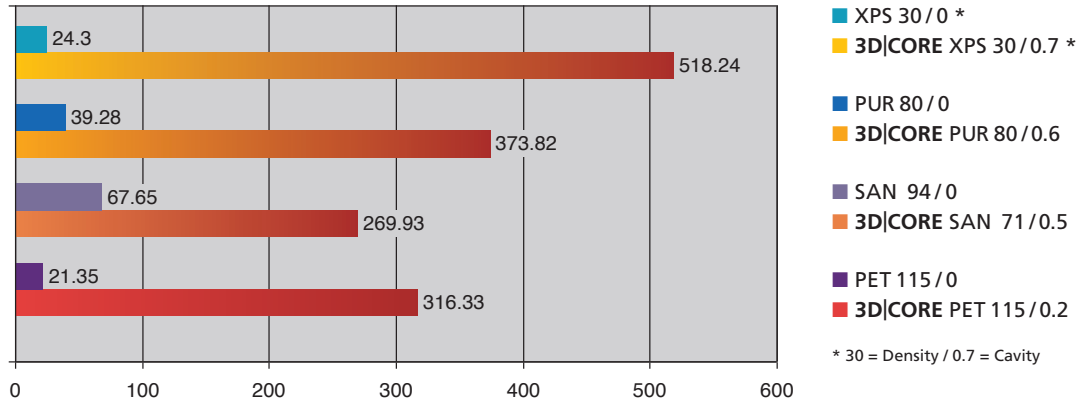
Flexural strength σ -fM Mpa



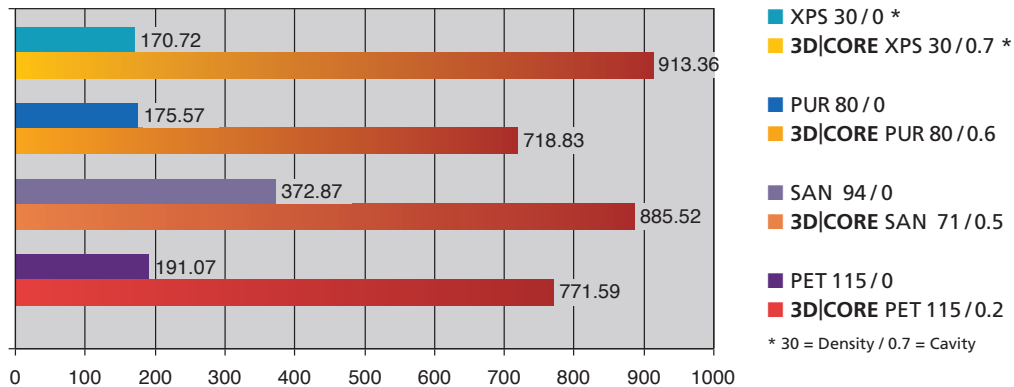
The measurements were carried out by the **MPA HANNOVER** Material testing laboratory for materials and production technology of the University of Hannover

COMPARISON OF TECHNICAL DATA REGULAR FOAM CORES vs. 3D-CORE™ SAMPLES

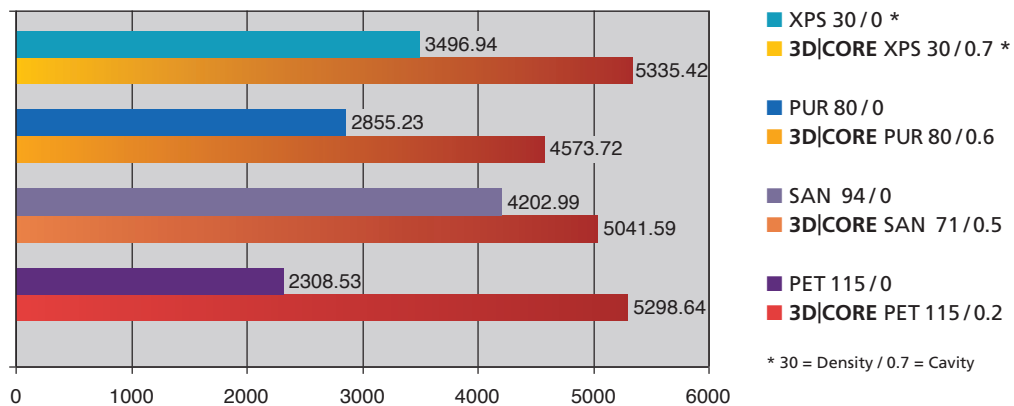
E Modulus MPa (compression strength)



E Modulus MPa (shear strength)



E Modulus MPa (3 point bending test)



Laminate structure of the specimen

1. Glassfibre Fabric Twill 110 g/m²
2. Glassfibre Quadraxial Fabric 600 g/m²
3. 10 mm foam core
4. Glassfibre Quadraxial Fabric 600 g/m²
5. Glassfibre Fabric Twill 110 g/m²

Resin – Epoxy Sicomin 8100/8822
All specimen were produced using the vacuum injection method and cured at 80 °C