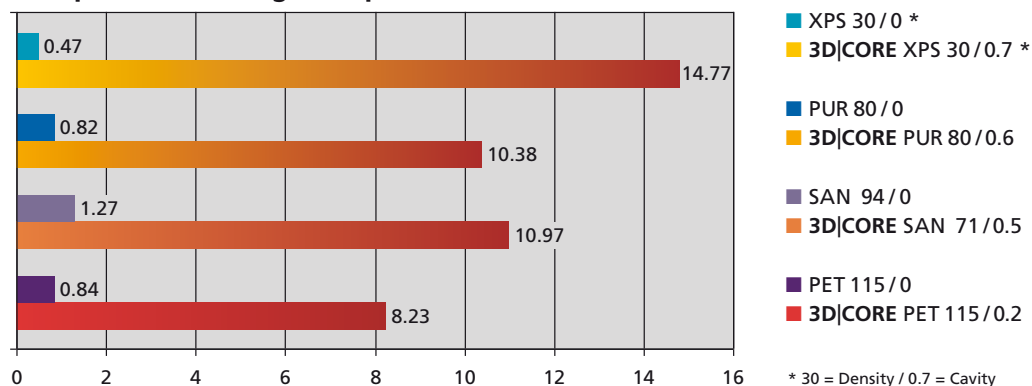


# 3D|CORE™

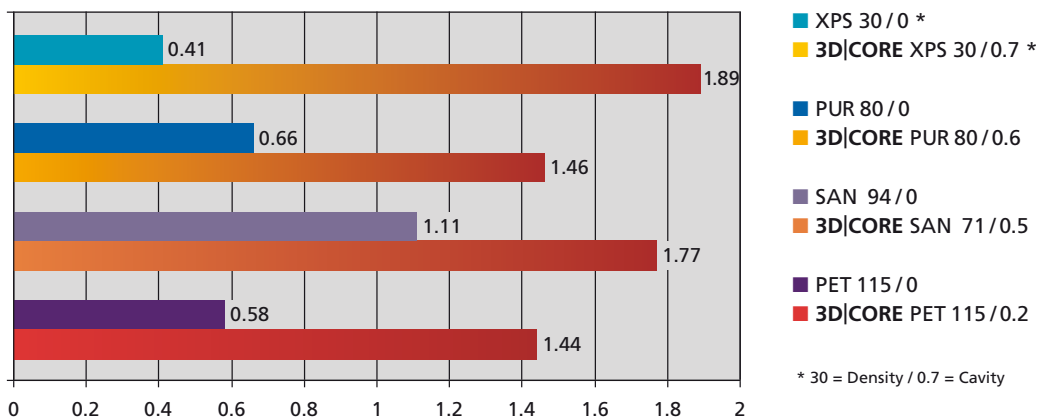
take less - get more

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

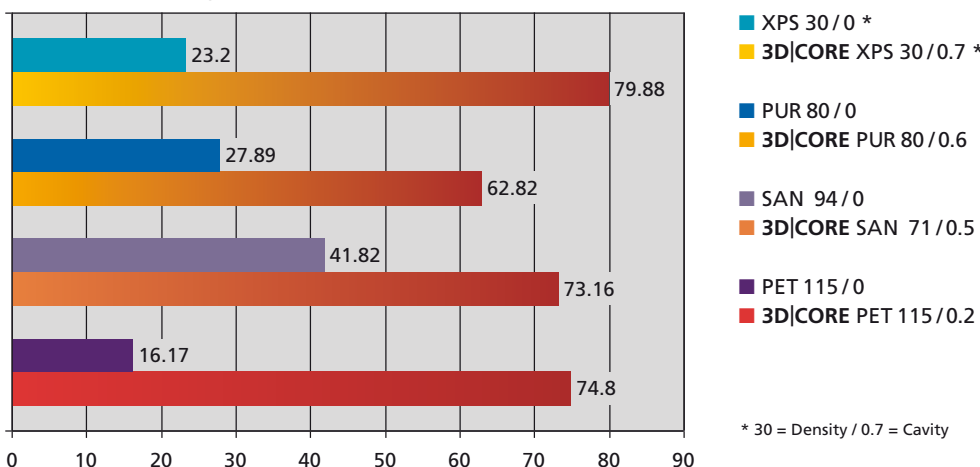
### Compression strength Mpa



### Shear stress $\tau$ Mpa



### Flexural strength $\sigma$ -fM Mpa



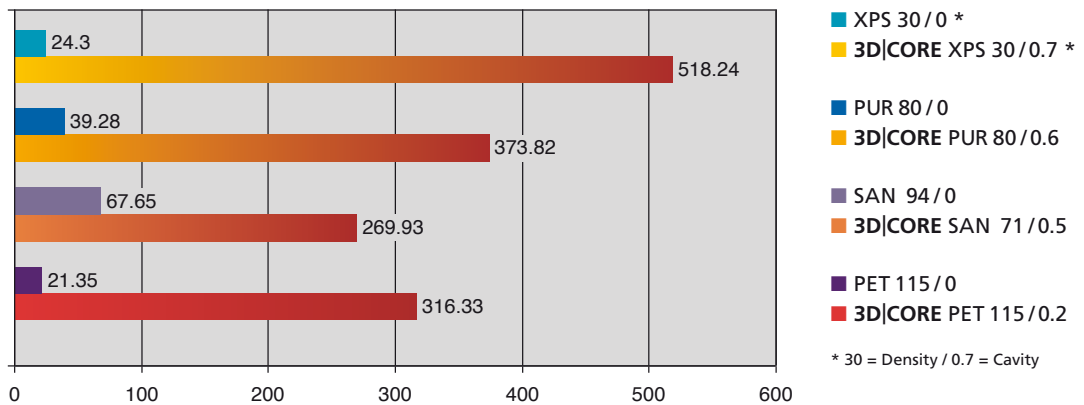
The measurements were carried out by the  MPA Material testing laboratory for materials and production technology of the University of Hannover

# 3D|CORE™

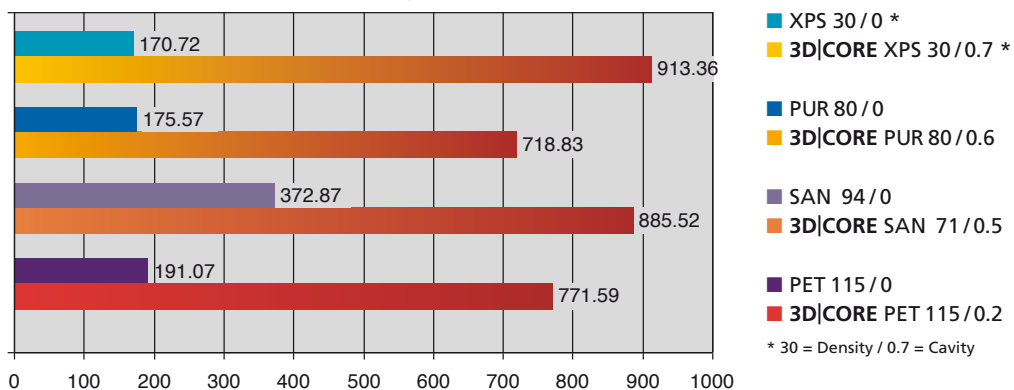
take less - get more

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

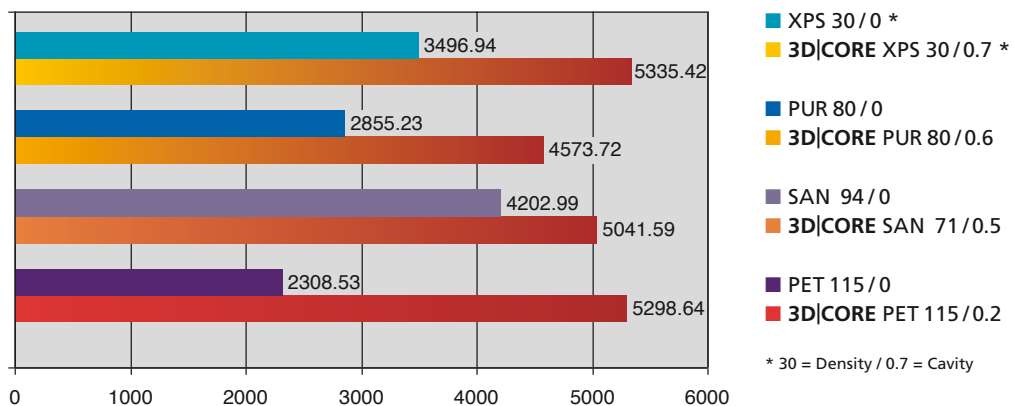
### E Modulus MPa (compression strength)



### E Modulus MPa (shear strength)



### E Modulus MPa (3 point bending test)



#### Laminate structure of the specimen

1. Glassfibre Fabric Twill 110 g/m<sup>2</sup>
2. Glassfibre Quadaxial Fabric 600 g/m<sup>2</sup>
3. 10 mm foam core
4. Glassfibre Quadaxial Fabric 600 g/m<sup>2</sup>
5. Glassfibre Fabric Twill 110 g/m<sup>2</sup>

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