

Fig. 11: Morphological Photographs of Pre-Consolidated Facings

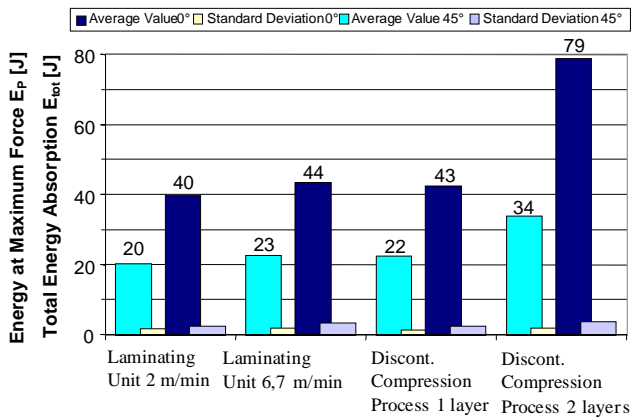


Fig. 12: Comparison of Tensile Strength of Sandwich Structures with different Pre-Consolidated Facings

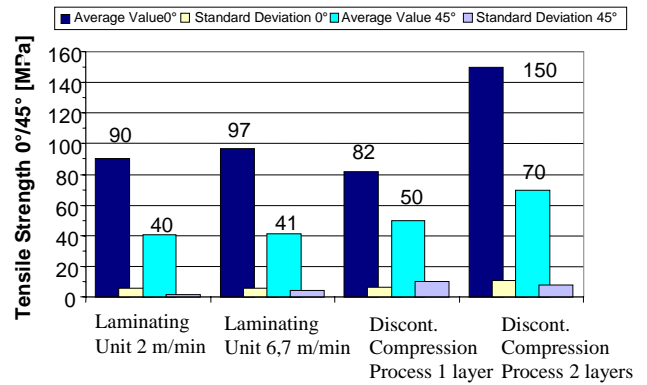


Fig. 13: Comparison of Tensile Strength of Sandwich Structures with different Pre-Consolidated Facings

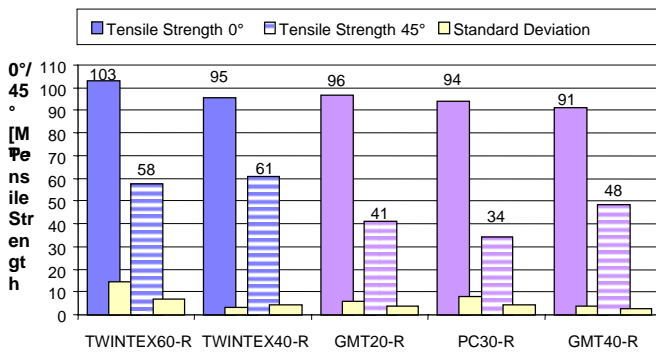


Fig. 14: Comparison of Tensile Strength of Sandwich Structures with different Core Materials

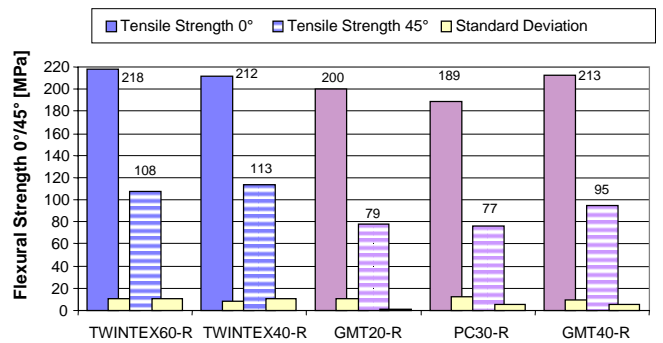


Fig. 15: Comparison of Flexural Strength of Sandwich Structures with Different Core Materials

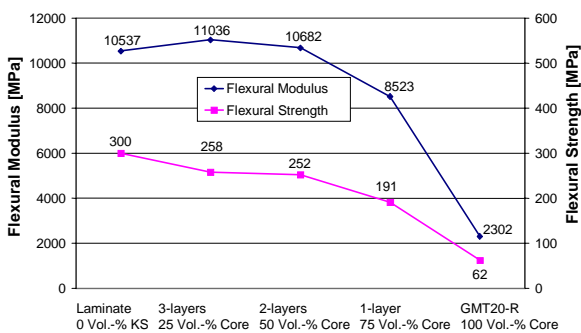


Fig. 16: Flexural Stiffness and Flexural Strength depending on Content of Recycled Material in Core Layer

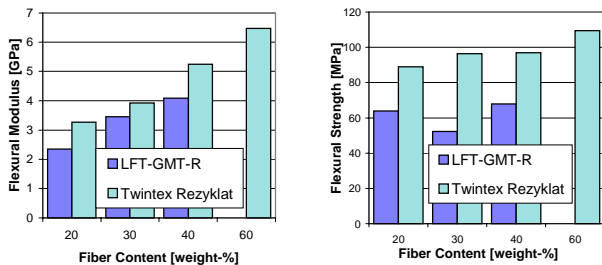


Fig. 17: Flexural Stiffness and Flexural Strength of LFT-GMT Recyclate compared to diluted Twintex Recycled Material

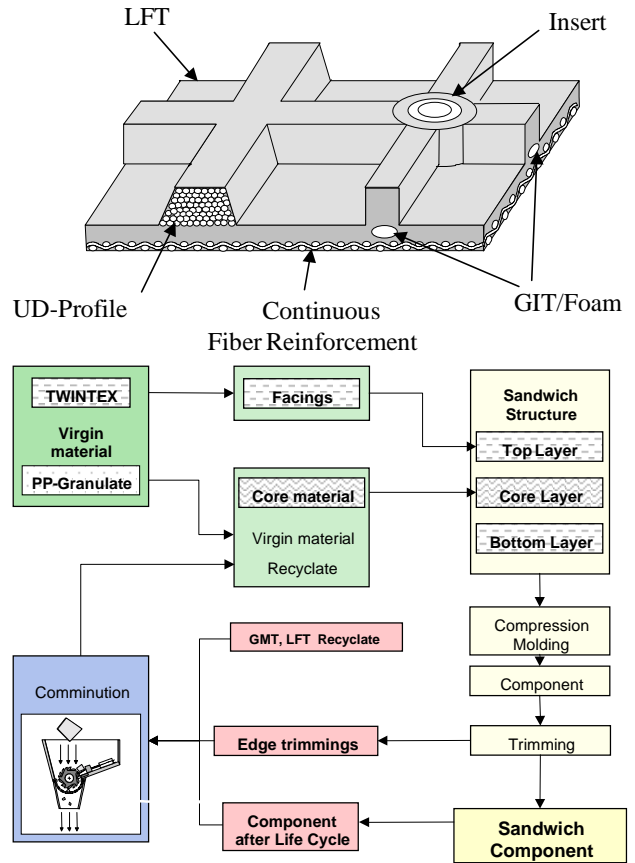


Fig. 18: Concept of Recycling

Fig. 19: Schematic Drawing of a Gradient Material

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Keywords:

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Movable Shear Edge
Pneumatic Clamping Frame
Gradient Thermoplastic Structures