



VALICORE™ POLYETHYLENE TEREPHTHALATE (PET)

Valicore™ material is an important consideration when looking at strength-to-weight-to-cost value for your industry.

Valicore™ is the solution to the most stringent requirements in your market. It is a lightweight material that is strong, durable and resistant to moisture, chemicals and heat. Valicore's unique composition allows for lamination using thermal or chemical processes to meet specific needs of a diverse global market. Valicore can be used in numerous structural applications including coring for sandwich composite manufacturers.

Valicore is a viable product for a variety of industries, including:

- Transportation
 - Bus
 - Rail
 - Truck
 - Aerospace
 - Automotive
 - Marine
- Wind Energy
- Construction
- Personal Care



Contact your Sealed Air sales representative for product dimensions and additional details.

PLANK PROPERTIES	TEST METHOD	ENGLISH		SI	
		UNIT	VALUE	UNIT	VALUE
Density	ASTM D1622	lb/ft ³	6.0 – 6.5	kg/m ³	95 – 105
Compressive Strength	ASTM D1621	psi	200	MPa	1.4
Compressive Modulus	ASTM D1621	psi	6200	MPa	43
Tensile Strength	ASTM D1623	psi	300	MPa	2.0
Tensile Modulus	ASTM D1623	psi	8200	MPa	57
Shear Strength*	ASTM C273	psi	130	MPa	0.9
Shear Modulus*	ASTM C273	psi	4250	MPa	29
Shear Strain (@ Failure)*	ASTM C273	%	3	%	3

The information provided gives approximate values based upon density of 6.1 pcf. Due to density variations these values can be lower or higher than indicated above. The information contained herein is believed to be correct. However, no warranty is made, either expressed or implied, regarding its accuracy or the results to be obtained from the use of such information.

*MD: Machine Direction

Benefits of Valicore™

- Recyclable
- Thermoformable
- UV Stable
- Dimensionally stable at temperatures above 150°C
- Can maintain stiffness and strength at elevated temperatures
- Environmentally friendly-No VOC emission during production or use
- Ability to be laminated to a wide variety of materials



Valicore is available in plank or roll-stock.