

**From**  
100% Recycled  
PET Bottles Base



**To**  
100% Recyclable  
Rigid, Closed Cell Foam

A combination of material and process properties for durability, elevated compress-ability, temperature, stability, and bond-ability with Thermal and Acoustic Properties.



**Significant Savings on CO<sup>2</sup> Emissions**

- Easy Cutting
- Furniture
- Sporting Goods
- Solid Edges
- Automotive
- Musical Instruments
- Lightweight
- Partitions
- Floats
- Extremely Strong
- Construction
- Densified
- Thickness: 1/4" - 7.5"
- Packaging
- Laminated
- Density: 4#/cu' - 20#/cu'
- Acoustics

**OPTIONS: 3DMoldable, Expandable, Fire Retarded, Inner Ply.**  
Can Be Edge Banded and/or Perforated Laminating Core Stock

**TECHNICAL DATA**

			48" x 96+"	48" x 96+"	39.68" x 96+"	39.68" x 96+"
Density	ISO 845	kg/m <sup>3</sup>	80*	100*	150	200**
		lb/ft <sup>3</sup>	5.0*	6.2*	9.4	12.5**
Compression Strength	ISO 844	Mpa	1	1.5	2.6	4
		psi	145	220	375	580
Compression Modulus	ISO 844	Mpa	57	77	120	175
		psi	8'265	11'165	17'400	25'375
Shear Strength	ISO 1922	Mpa	0.6	0.75	1.35	1.75
		psi	85	110	195	255
Shear Modulus	ISO 1922	Mpa	16	21	37	51
		psi	2'320	3'045	5'365	7'395
Shear Strain	ISO 1922	%	13	10	7	5
		%	13	10	7	5
Tensile Strength	ASTM C 297	Mpa	2	2.5	3.3	3.9
		psi	290	365	480	565
Tensile Modulus	ASTM C 297	Mpa	80	120	185	235
		psi	11'600	17'400	26'825	34'075
Thermal Conductivity	@23°C	Btu.in/	0.034	0.034	0.041	0.043
		FT <sup>2</sup> .hr.°F	0.236	0.236	0.284	0.298

Values are indicative and can vary depending on actual dimension and surface weight.

\*Tolerances: +/- 5 kg/m<sup>3</sup>, +/- 0.3 lb/ft<sup>3</sup>

\*\*Tolerances: +/- 5%

**LAMINATING EQUIPMENT**



**LENDERINK TECHNOLOGIES**

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