JACKODUR® LIGNIN *FT / FTR* *technical data*

LIGNIN BIOPOLYMER

Dimensions			Mechanical properties	Tolerances				Thermal conductivity
Thickness	Width	Length	Compressive strength at 10 % deformation	Thickness	Width	Length	Rectangularity	λ
EN 823 [mm]	EN 822 [mm]	EN 822 [mm]	DIN EN 826 [kPa]	[mm]	[mm]	[mm]	[mm/m]	EN 12667 [W/(m·K)]
> 20 – 30	550 - 900	1200 - 3000	> 200	± 0,15	± 2,5	± 10	≤ 5	0,034
> 30 – 50	550 - 900		> 300					
> 50 – 70	550 - 750		> 300					

Values	Property	Standard	Unit	Value
Characteristic values	Application temperature	-	°C	-50 / +75
	Reaction to fire	EN 11925-2	-	E
	Water absorption on long-term immersion	EN 12087	Vol.-%	≤ 5,0
	Vapour diffusion-equivalent air layer thickness	EN 12086	m	3 - 16
	Dimensional stability at 70 °C and 90 % relative humidity	EN 1604	%	≤ 5
	Tensile strength	EN 1607	kPa	≥ 400
	Gross density, typical	EN 1602	kg / m³	≥ 30
	Thermal expansion coefficient	-	mm/(m·K)	0,07
Chemical resistance	Water / seawater / saline solutions / alcohols / liquefied inorganic gases / bases / weak and diluted acids / bitumen / water-based cold bitumen / lime / cement / gypsum / sand			
Properties of Lignin Polymer Foam	closed cell, highly compression proof, flexible, water repellent, rot-proof, resistant to environmental degradation, non-ageing, non-UV resistant			
Bonding technique	e.g. adhesion with solvent-free hot-melt, epoxy and polyurethane adhesives			
Cutting technique	Lignin polymer foam can be worked with milling cutters, saws, hot wires, blades and cutters			

JACKODUR FREE HBCD CFC HCFC

Free of HBCD flame retardants, chloro-fluorocarbons (CFCs) and propellants containing HCFCs and HFCs.

100% recyclable

You can find more information at www.jackon-insulation.com

- Safety data sheet
- EPD

JACKODUR® LIGNIN offers all the tried and tested properties; the material is compression proof, dimensionally stable, and moisture and rot resistant.

Status 04/2025