

InotanPUR® InotanPIR®

Product Characteristics

InotanPUR® sheets and profiles of rigid polyurethane foam have the following interesting properties:

- Unique insulation property
- Sustainable insulation
- High stability
- Low weight
- Closed cell structure
- Higher density provides better stability and strength
- Easy to shape, laminate and coat with fiber glass/polyester, foils, double adhesive tapes, etc.
- Resist high as well as low temperatures
- Good resistance to chemicals
- Fire retardant

Fire properties

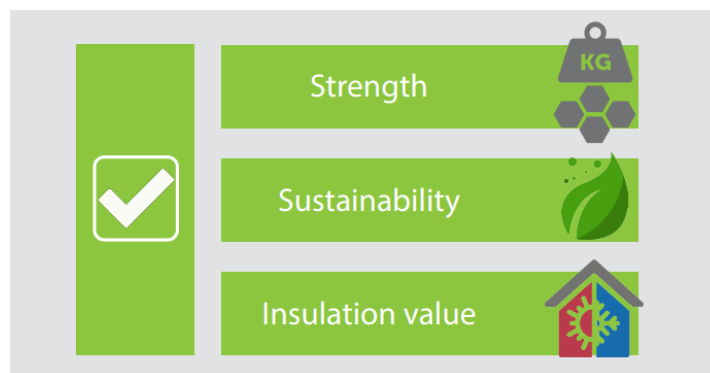
InotanPUR® complies with FMVSS 302 (Federal Motor Vehicle Safety Standard No. 302) and EN 13501-1-F, ISO 9772, etc.

InotanPIR® complies with the same fire ratings and tests as InotanPUR®, although EN 13501-1, Class E.

Sizes

Sheets and profiles are cut from standard blocks in desired widths and lengths. Special blocks can be manufactured on enquiry at min. 60m³ or approx. 40-80 blocks (depending on density/quality).

Sheets can be delivered in thicknesses from > 5 mm and with trace from > 15 mm thickness for better bonding and lamination, and with surface treatments, foils, adhesives, and more. Special processing such as not & fer, CNC cutting on enquiry.



Technical Data

Property	Standard	Unit	PUR	PUR	PUR	PUR	PUR	PIR
Quality			32MP	40MP	65MP	80MP	120MP	40MP
Standard Block	Nominal (trimmed)	mm	2500x1200	2500x1200	2400x1200	2400x1150	3000x950	2400x1200
Density	BS EN ISO 845	Kg/m ³	32	40	65	80	120	40
Compression strength	ISO 844	Mpa	0,20	0,25	0,50	0,70	1,40	0,20
Compr. strength E-module	ISO 844	Mpa	4,0	5,0	10,0	12,0	25,0	5,0
Tensile strength	DS EN 1607	Mpa	0,30	0,35	0,60	0,80	0,90	0,20
Tensile strength E-module	DS EN 1607	Mpa	10,0	13,0	20,0	25,0	35,0	10,0
Shear strength	ISO 1922	Mpa	0,15	0,23	0,33	0,40	0,55	0,15
Shear strength E-module	ISO 1922	Mpa	1,9	2,5	4,7	5,5	10,0	2,0
Water absorption	ASTM C272(A)	Max. Vol. %	2	2	2	2	2	3
Thermal conductivity*	EN12667	w/m ^{°K}	0,022	0,022	0,023	0,025	0,030	0,023
Fire rating	FMVSS 302 <100mm ISO 9772 EN13501-1 -Class	V (V) A-F	V (V) F	V (V) F	V (V) F	V (V) F	V (V) F	V (V) E
Propellant	Pentan Co2		V V	V V	V V	V V	V V	V V

Temperature	°C -40/+120		V	V	V	V	V	V
-------------	----------------	--	---	---	---	---	---	---

*Internal test & fresh value Lambda10
(V) no accredited test