



Heat Insulation Plates / High-tech

Code: **IYPA**

"IYPA" is preferred to use in applications in the mould and tool making industry where an excellent insulation effect and a high mechanical strength is required. It has no harm to human health and the environment.

Our products are safety certified.

- High continuous usage temperature.
- Superior mechanical strength.
- Excellent insulation effect.

Material: Glassfibre reinforced thermosetting plastic with filler content.

Recommended Operating Temp.: Max. 200°C

Recommended Operating Temp. - Continuous Exposure: Max. 180°C

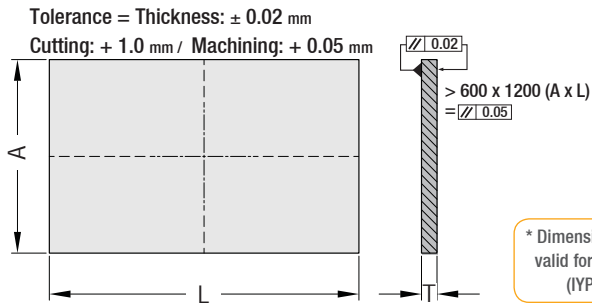
Compressive Strength - Room Temp.: 340 N/mm²

Compressive Strength - at 200°C: 130 N/mm²

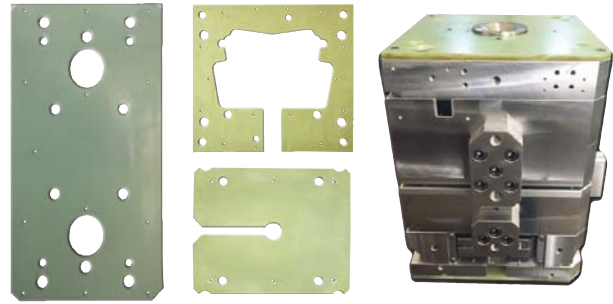
Thermal Conductivity: 0.18 W/mK

Flexural Strength: 115 N/mm² / at 200°C = 55 N/mm²

Density: 1.70 g/cm³



* Dimension tables are valid for both products (IYPA & IYPE).



Heat Insulation Plates / Economic Type

Code: **IYPE**

Impact and heat insulation processes of injection moulds.

Heat Insulation Plates help reduce heat loss between the mould and the plate. They are preferred in order to avoid heat dissipation / clearance among mould plates or between machine clamping block plate and mould upper plates, especially in moulds produced with thermoplastic and thermosets raw material.

- They are not affected by impacts, water, friction and electricity.
- Heat Insulation Plates also raise the view standards of moulds used.

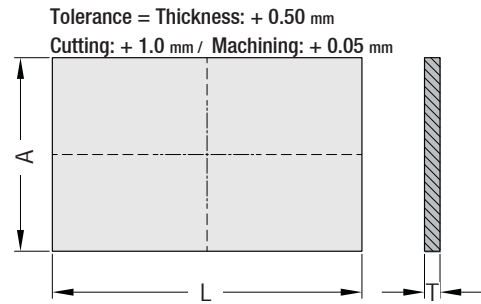
Material: Glassfibre and an impact resistant, thermosetting resinbonded mix.

Recommended Operating Temp.: Max. 120°C (continuous exposure)

Compressive Strength: Temperature at 120°C = 160 N / mm²

Thermal Conductivity: Temperature at 200°C = 3.0 x 10⁻³ W/mK

Moisture Absorption: 0.06 %



A mm	L mm	T mm	A mm	L mm	T mm	A mm	L mm	T mm	A mm	L mm	T mm	A mm	L mm	T mm	A mm	L mm	T mm	
156	156	6	296	296	6	396	396	6	496	496	6	646	646	6	796	796	6	
	196			346			446			546			646			796		846
	206			396			496			596			696			896		896
	246			446			546			646			796			996		896
	296			496			596			696			896			1096		996
196	196	8	346	346	8	446	446	8	546	546	8	696	696	8	846	846	8	
	206			396			496			596			696			796		896
	246			446			546			646			796			896		996
	296			496			596			696			896			996		1096
	346			546			646			796			896			1096		1196
246	246	10	396	396	10	496	496	10	596	596	10	746	746	10	896	896	10	
	266			446			546			646			746			846		946
	296			496			596			696			796			896		996
	346			546			646			796			896			996		1096
	396			596			696			796			896			996		1096



Order: **IYPA. A x L x T**

Order Example:

IYPA. 196 x 246 x 6 or IYPE 196 x 246 x 6



Order: **IYPE. A x L x T**