

Rubber Plastic Hydraulic Machine



EVA Injection Foaming Machine

A. Ingredients and processing technology

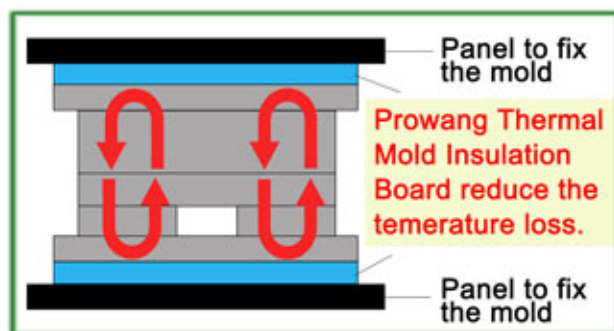
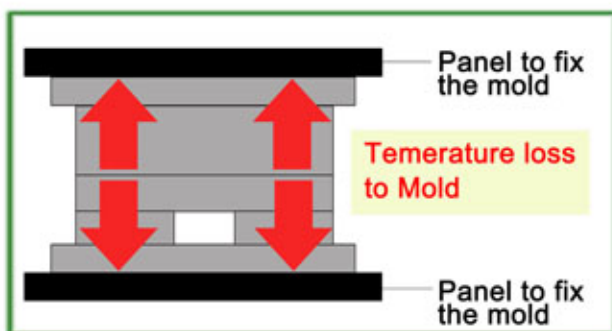
Using high temperature and high pressure molding technology, strictly select best heat resist and high pressure resist resins and enhanced glass fiber materials.

B. Advantages and characteristics

1. Use harmless substances to the human bodies, no asbestos contents.
2. Excellent high temperature and chemical resistance, oil and water resistance.
3. High-performance compression and bending strength, no cracks and no collapse.
4. Low thermal conductivity, better heat insulation, quick heat increasing quality to shorten the heating time, precisely mould temperature control.
5. Environmental protection, reduce temperature loss and save electricity costs.
6. Long life service, save time to replace materials, enhances productivity and save maintenance costs.

C. Processing Methods

Mold-specific insulation boards can be cut and machined using common metal tools and diamond cutting tools.



D. Application

Widely used in hydraulic man-made board, injection machine, hydraulic machine, rubber / tire curing machine, plastic molding mold, tool and mold manufacturing.

E. Physical performance

Test Items	Procedure	English Units	Typical Values	Metric Units	Typical Values
Specific Gravity	ASTM D 792	lbs/ft ³	123	g/cm ³	1.97
Water Absorption	ASTM D 570	% by wt.	0.02	% by wt.	0.02
Continuous Use Temp.	Prowang	F	392	C	200
Maximum Service Temp.	Prowang	F	482	C	250
Flexural Strength	ASTM D 790	Psi	66006	Mpa	455
Compressive Strength					
@75 °F / 24°C	ASTM D 695	Psi	56411	Mpa	389
@302 °F / 150°C	ASTM D 695	Psi	47964	Mpa	331
@392 °F / 200°C	ASTM D 695	Psi	45760	Mpa	307
Compressive Modulus	ASTM D 695	Psi	3569845	Mpa	24619
IZOD Impact Strength	ASTM D 256	Ft.lb/in	9.2	J/cm	4.8
UL Subject 94	UL-94	HB	Pass	HB	Pass
Thermal Conductivity	ASTM C 177	BTU.in/Hr.Ft.F	1.8	W/m.K	0.26
Coefficient of Thermal Expansion Across Thickness	ASTM D 696	In/In/C x 10		10/K	32.81 x 10 ⁻⁶

F. Standard Size

- Width 1220mm x Length 2440mm
Thickness: 5, 8, 10, 12, 15, 19, 25mm
- Accept designated cutting or CNC cutting.

G. Inspection and Packaging

- After mass production, test each batch 200 degrees Celsius, clamping million times 150kg/cm² (1500 tons), shipment and package when test qualified.
- Carton / Pallet packing.

