

# FINEFLEX BIO™ Cast

FINEFLEX BIO™ Cast is a unshaped monolithic refractory material in paste form, wet blended from FINEFLEX BIO™ Bulk, inorganic binders, etc. Because it is a soft kneaded material, it is a repairing material that can be worked into special shapes and easily used in complicated locations.

## Types

### TOMBO™ No.5675-400

Standard type general-purpose product

### TOMBO™ No.5675-700

High-density type general-purpose product

### TOMBO™ No.5675-400P

Applied to pump infusion and spray methods

## Applications

- Skit pipe host parts for steel heating furnaces
- Ceilings and side walls of heating furnaces for casting
- External wall sealing for glass tank kiln regenerators
- Burner tiles and roller tiles
- Repair of existing fireproof materials

## Quality Characteristics

Item	TOMBO™ No.			
	5675-400	5675-700	5675-400P	
<b>Applications</b>	General-purpose product (standard type)	General-purpose product (high-density type)	For pump construction	
<b>Color</b>	White – light color			
<b>Density</b> (kg/m <sup>3</sup> )	Normal state (before drying)	1160	1320	1160
	105 °C (after drying)	450	750	480
<b>Max. heatproof temp.</b> (°C)	1300			
<b>Bending strength</b> (MPa)	105 °C (after drying)	0.5	0.9	0.8
	1200 °C ×24h	0.4	0.8	0.4
<b>Coefficient of thermal contraction</b> (%)	1200 °C ×24h	2.0		
<b>Thermal conductivity</b> [w/(m·K)]	600 °C	0.19	0.20	0.22

\* The above figures are actual measurements made by Nichias and not standard values.

\* Thermal conductivity varies according to the state of construction.



## Packaging/Packing

TOMBO™ No.	Packaging/Packing	
<b>5675-400</b>	2kg per can	15kg per can
<b>5675-700</b>	2kg per can	20kg per can
<b>5675-400P</b>	15kg per can 330cc per cartridge	300cc per polyethylene bag 1000cc per polyethylene bag

\* FINEFLEX BIO™ Cast is packed into polyethylene bags and inserted into cans.

\* The shelf life is six months in an unopened state within an internal cold and dark room at 4°C or more.



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