

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	
Applications	General-purpose product (standard type)	General-purpose product (high-density type)	For pump construction	
Color	White – light color			
Density (kg/m ³)	Normal state (before drying)	1160	1320	1160
	105 °C (after drying)	450	750	480
Max. heatproof temp. (°C)	1300			
Bending strength (MPa)	105 °C (after drying)	0.5	0.9	0.8
	1200 °C ×24h	0.4	0.8	0.4
Coefficient of thermal contraction (%)	1200 °C ×24h	2.0		
Thermal conductivity [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	
5675-400	2kg per can	15kg per can
5675-700	2kg per can	20kg per can
5675-400P	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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