



PYRO-ISO

VACUUM FORMED PRODUCTS

Pyrotek Pyro-Iso vacuum formed shapes offer excellent insulating properties and strength, combined with low fume generation. These products are used to cast aluminium, ferrous and non-ferrous metals.

Pyro-Iso is a low density, low thermal conductivity product offered in refractory ceramic fiber (RCF) and non-RCF versions. The product is suitable for industrial applications like non-ferrous riser sleeves and cups, oil and gas-fired heating equipment combustion chambers, and areas where lightweight and thermal insulation products are required. Custom shapes, in various hardness grades, are available on request. Custom cutting and machining are also available for finished parts.



BENEFITS

- Excellent insulating properties
- High strength-to-weight ratio
- Excellent feeding efficiency
- Low thermal conductivity
- Non-wetting
- Low thermal mass
- Thermal shock resistant
- Low smoke creation

APPLICATIONS

- Pouring cups
- Riser sleeves
- Tap hole cones

COMPOSITION

Property	Value			
	Pyro-Iso 300	Pyro-Iso 400	Pyro-Iso 2000	Soluble Fibre
Colour	Light grey	White/off-white	White/off-white	White/off-white
Temperature Rating	815°C (1500°F)	Cones: 1260°C (2300°F) Sleeves: 1540°C (2800°F)	1260°C (2300°F)	1000°C (1832°F)
Average Bulk Density—g/cm ³ (lb/ft ³)	0.32 (20)	0.38 (23)	0.22 (14)	0.38 (23)

