



NICHIAS

P - LOOSE ROCK WOOL FIBRE



PRODUCT DESCRIPTION

P - Loose Rockwool Fibre is bonded loose wool used for packaging cavities of irregular dimensions. The density of wool to be used depends on the thermal conductivity required. Thermal conductivity will be the same as other Tombo Rockwool products of the same density.

APPLICATION

Used for general purpose insulation, expansion relief packing cavities of brickwork in furnaces, ovens and many other items of industrial equipment. It is also used for cavity packing in refrigerated cargoes, oxygen plants, valve boxes, automobile mufflers and other types of silencers. It is highly suitable especially where preformed insulation is difficult to apply.

STANDARD DELIVERY

Packed in 25kg bags. Other packaging weight is available on request.

FIRE SAFETY

Non combustible.

THERMAL CONDUCTIVITY

The density of the wool depends upon the compression resistance for a particular application. The following are typical figures of thermal conductivities:

Mean Temp °C	k-value W/mk 60 kg/m ³	k-value W/mk 80 kg/m ³
100	0.045	0.044
200	0.070	0.059
300	0.109	0.097
400	0.160	0.138

COMPATIBILITY

Compatible with all forms of material with which it is likely to come in contact in normal industrial and building applications.

Non Corrosive – ASTM C795

MOISTURE

Water-Repellent, non-hygroscopic, non-capillary and does not absorb any moisture from the air. Moisture has no effect on the stability of the product.

BIOLOGICAL PROPERTIES

Rot-proof, non-hygroscopic, will not sustain vermin and will not encourage growth of bacteria, mould or fungi.

PRODUCT SPECIFICATION

SPECIFICATION	VALUE / IDENTIFICATION
1. Colour	Light Yellow
2. Material form	Wool Fibre
3. Basic chemical content	SiO ₂ , CaO, Al ₂ O ₃ , MgO ₂
4. Bulk Density	Approx 40kg/m ³
5. Diametre of Fibre	3.0 – 4.0 (um)
6. Length of Fibre	Less than 1 (mm)
7. Shot Content	Less than 4.0 (% by weight)
8. pH	9.0 – 10.0
9. Service Temperature	Up to 450°C
10. Moisture Content	0.1 – 0.5

