IPILITE®
Perlite Product

ExpandingYourWorld

Info Produk / *General Product*

Perlite merupakan batuan vulkanik yang dapat mengembang bila dipanaskan dengan perlahan-lahan maupun secara cepat. Sifat pemuaian ini disebabkan oleh adanya struktur molekuler air dan gas yang dapat dimobilisasikan pada temperatur 760°C, dan dapat mengembang hingga 20 kali dari volume asalnya.

Perlite is a volcanic rock that expands when heated slowly or rapidly. This expansion property is due to the molecular structure of water and gas which can be mobilized at a temperature of 760°C, and can expand up to 20 times its original volume.



Penggunaan Perlite / *Perlite Usage*



IPILITE A103

Size : 0.15 - 1.2 mm
Density : 45 - 55 kg/m³
Usage : - Insulation storage tank
- Cold box



IPILITE A118

Size : 0.15 - 1.2 mm
Density : 65 - 75 kg/m³
Usage : - Insulation Concrete
- Insulation Plesters
- Refractory Application



IPILITE A204

Size : 2.5 - 8 mm
Density : 90 - 120 kg/m³
Usage : - Refractory Application
- Lightweight Concrete
- Horticultural



IPILITE A205

Size : 0.6 - 3 mm
Density : 120 - 150 kg/m³
Usage : - Lightweight Concrete
- Refractory Application

Analisa Kimia / *Chemical Analysis*

SiO^2	60 - 76%
Al^2O^3	11.5 - 17%
Fe^2O^3	0.5 - 1.0%
CaO	0.2 - 1.5%
K^2O	3.5 - 5.5%
Na^2O	2.0 - 4.5%

Properties

Temp of Heat Resist	-200°C - 1000°C (applicable temp)
Thermal Conductivity	0.0365 (+/- 0.00018 Kcal/mh°C)
Chemistry	pH 7
Moisture Content	Max 0.5%

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ISO 14001:2015 certimark
ISO 45001:2018 certimark