

# IPILITE® Perlite Product

Expanding Your World

## Info Produk / General Product

Perlite merupakan batuan vulkanik yang dapat mengembang bila dipanaskan dengan perlahan-lahan maupun secara cepat. Sifat pemuai 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.*



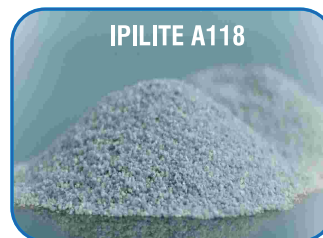
## Penggunaan Perlite / Perlite Usage



IPILITE A103

### IPILITE A103

**Size** : 0.15 - 1.2 mm  
**Density** : 45 - 55 kg/m<sup>3</sup>  
**Usage** : - Insulation storage tank  
 - Cold box



IPILITE A118

### IPILITE A118

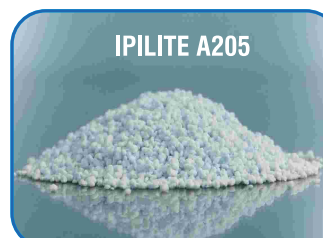
**Size** : 0.15 - 1.2 mm  
**Density** : 65 - 75 kg/m<sup>3</sup>  
**Usage** : - Insulation Concrete  
 - Insulation Plesters  
 - Refractory Application



IPILITE A204

### IPILITE A204

**Size** : 2.5 - 8 mm  
**Density** : 90 - 120 kg/m<sup>3</sup>  
**Usage** : - Refractory Application  
 - Lightweight Concrete  
 - Horticultural



IPILITE A205

### IPILITE A205

**Size** : 0.6 - 3 mm  
**Density** : 120 - 150 kg/m<sup>3</sup>  
**Usage** : - Lightweight Concrete  
 - Refractory Application

## Analisa Kimia / Chemical Analysis

■ SiO <sup>2</sup>	60 - 76%
■ Al <sup>2</sup> O <sup>3</sup>	11.5 - 17%
■ Fe <sup>2</sup> O <sup>3</sup>	0.5 - 1.0%
■ CaO	0.2 - 1.5%
■ K <sup>2</sup> O	3.5 - 5.5%
■ Na <sup>2</sup> O	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%

**IPISUNIJAYA**

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