

IPIILITE®

PT. IPI SUNIJAYA expanded Perlite locally produced, named **IPIILITE® CAST**, **IPIILITE® POWDER** and **IPIILITE® FILTER AID** is white powdery material extremely light in weight and composed of minor airtight bubbles, made by crushing perlite (glassy igneous rock) into certain particle size and rapidly heated it expands 20 times it's original volume and excellent Thermal Insulation properties for high and low temperature.



IPIILITE® POWDER



IPIILITE® FILTER AID

Usage :

1. Construction Applications

- Insulating low temperature and cryogenic vessels/tank (LNG Tank, LPG Tank, Ethylene Tank, Oxygen Tank, Nitrogen Tank, Amonia Tank, Cold Box of Oxygen Plant, etc)
- Aggregate in a lightweight concrete

2. Horticultural & Agriculture Applications

- A component of soilless growing mixes
- Provides aeration, moisture retention, neutral pH, sterile and weed-free
- An absorbent and carrier for pesticides, feed concentrates, herbicides, and other similar applications
- Landscaping applications, Green-house growing, and as a house plants.

3. Industrial Applications

- Filter aid media for pharmaceuticals, food products, chemicals and water for municipal systems.
- As an abrasive in soaps, cleaners and polishes and a variety of foundry and refractory applications.

IPIILITE® CAST



Chemical Analysis & Properties :

Constitution %	SiO ²	Al ² O ³	Fe ² O ³	CaO	K ² O	Na ² O
	60 - 76	11.5 - 17	0.5 - 1.0	0.2 - 1.5	3.5 - 5.5	2.0 - 4.5
Temperature of Heat Resistance	-200 °C – 1000 °C (applicable Temperature)					
Thermal Conductivity	0.0365 +/-0.00018 Kcal/mh°C					
Chemistry	PH 7					
Moisture Content	Max 0.5%					
Bulk Density & Mesh	upon request					

**) Other type and size also available upon request*



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