

# **Expanded Perlite**

# **1. Product Introduction**

Expanded perlite is a granular insulation material filled in tank annual space. It is made of perlite ore, by high temperature heating. The expanded material is white granule with cellular

structure. Domestic or imported ore is available on customer's request.

# 2. Properties

Physical Property	Unit Technical Indicator		
Application		Insulation for annual space of tank walls	
Loose Density	kg/m <sup>3</sup>	35-55	
Compacted Density	kg/m <sup>3</sup>	48-65	
Avg. Thermal Conductivity	W/(m·K)(0°C) ≤0.04		
Water Content	%	<0.3 (by weight)	
Organic content	%	<0.1 (by weight)	
PH Value		6.5-7.5	

# **Particle Size Distribution**

Particle Size Distribution (%)	Particle Size mm	% Passing Rate	
		Min.	Max.
	>1.18	90	100
	0.85	65	100
	0.6	30	95
	0.3	10	70
	0.15	0	10
	< 0.15	0	10

# **3.** Product Application

It is mainly used in insulation for cold box and tank wall in cryogenic condition.

 

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