

Client Name: شركة كيما فوم

Testing Name: Thermal Conductivity

Delivery Date: 27/07/2020

Supplier Code: BPI/H/CO.121

Testing Date: 29/07/2020

Sample Description: Expanded Polystyrene

Thermal Laboratory ***Thermal Conductivity Test Report***

| Sample Name | Thickness (cm) | Density (Kg/m ³) | Thermal Conductivity (W/m.°c) |
|-------------------------|-------------------|---------------------------------|----------------------------------|
| Expanded Polystyrene | 5 | 26 | 0.035 |


Remarks

- The test was conducted according to the standard specification ASTM C-518.
- The environmental test conditions: [temp. 24 °C & R.H. 55%].
- This result is only valid for the sample delivered to the Thermal Laboratory.
- These results are only valid for one year.

Head of Technical group

Mahmoud Mohamed
Dr.Eng. M.M. Abd El Razik

Manger of Institute


Prof. Dr. M. A. Hassan
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Thermal Laboratory
Calculate Thermal Resistance for Product

| Sample Name | Thickness (cm) | Thermal Conductivity (W/m.°c) | Thermal Resistance (m ² .°c/w) |
|-------------------------|-------------------|----------------------------------|--|
| Expanded Polystyrene | 5 | 0.035 | 1.42 |

Remarks

- This Calculate is only valid for the sample delivered to the Thermal Laboratory.
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