مصنع الجعيب للبلاستيك
Al Joaib Plastic Factory

Technical Datasheet: Polyethylene (PE) Foam Board

Product Name: Polyethylene (PE) Foam Board

Manufacturer: [Joaib Plastic Factory]

1. Product Description:

Polyethylene (PE) foam board is a closed-cell foam material known for its lightweight, flexible, and insulating properties. It offers excellent resistance to moisture, chemicals, and impact, making it suitable for a wide range of applications. This datasheet provides technical information for the specified PE foam board.

2. Physical Properties:

Property	Test Method	Unit	Value
Density	ASTM D1622	kg/m³	30 (±5)
Tensile Strength	ASTM D638	%	108
Compressive Strength	ASTM D4819-99	Kg/Pa	32
Water Absorption	ASTM D2842	kg/m2	22
Thermal Conductivity	ASTM C518	k/m2	[0.035 - 0.050]
Moisture permeability	-	kg/m³	30
Thickness	-	mm	10,20,30,40,50

3. Applications:

PE foam board is used in various applications, including:

- Packaging (protective cushioning)
- Insulation (thermal and acoustic)
- Construction (wall and floor insulation)
- Automotive (interior components)

4. Disclaimer:

The information provided in this datasheet is based on the manufacturer's knowledge and testing. It is intended for general guidance and does not constitute a warranty. The user is responsible for determining the suitability of the product for their specific application. The manufacturer reserves the right to modify the specifications without prior notice.