مصنع الجعيب للبلاستيك
Al Joaib Plastic Factory

Technical Data Sheet (TDS)

Backup Rod Foam

Product Description

Backup Rod Foam is a flexible filler material made from extruded closed-cell polyethylene foam. The product features a round shape and a smooth, skin-like outer texture. It is specifically designed to be placed in expansion joints and cracks before the application of sealants. The rod acts as a backing for the sealant, helping to control its depth and prevent three-sided adhesion, which is crucial for ensuring the joint's ability to move without sealant failure.

Technical Specifications

The following table outlines the standard technical specifications of the product based on international tests:

Technical Property	UNIT	Typical Value
Density	kg/m^3	25 - 30
Water Absorption	g/cm^3	Less than 0.03 g/cm^3
Temperature Range	°C	-40 to +70
Tensile Strength	kPa	200 - 350 kPa
Compression Recovery	%	> 90%

The product is available in various diameters ranging from 6 mm to 50 mm or more, and is supplied in continuous coils or specified lengths. The product should be stored in a dry, cool place away from direct sunlight and high heat sources.

Key Features and Benefits

This product offers a range of features that make it ideal for construction applications, including:

- **Completely Closed-Cell**: Prevents water and moisture absorption, maintaining the integrity of the structural joint.
- **High Flexibility**: Easy to install in joints of various shapes and sizes.
- **Chemically Inert**: Compatible with most cold-applied sealants such as silicone, polyurethane, and polysulfide.
- **Weather Resistance**: Withstands varying temperatures and is resistant to oils, gasoline, and common solvents.

Areas of Application

Backup Rod Foam is used in a wide range of construction applications, including:

1. Expansion joints in concrete floors and roads.
2. Joints around door and window frames.
3. Precast panel joints.
4. Sealing cracks in walls and surfaces before insulation.

Disclaimer: The information provided in this datasheet is based on the manufacturer's knowledge . 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 .