AODISI

FIRE TECHNOLOGY

产品资料与销售咨询

PRODUCT DOCUMENTATION & SALES CONTACT

KERAFIX ® Everseal TN Granulate - Technical Data Sheet-en

澳迪斯防火科技（廊坊）有限公司

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以上为销售联系信息，不替代安全数据表中的应急联系电话。
原始技术内容及制造商、检测机构和证书签发信息见后续资料页。

Sales contact only; emergency contacts in safety data sheets remain applicable.
Original technical, manufacturer and certification details follow.

Technical Product Data Sheet

KERAFIX®
Everseal T N Granulat



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Tech.Rev.: 1.0
Ling. Rev.: 1.0

Product description

KERAFIX® Everseal T N Granulat is a high-quality intumescent material based on exfoliated graphite. It has been developed especially for use in various fire protection applications.

When exposed to heat, the material expands to form a pressure-resistant foam mass that effectively protects against the spread of fire and smoke.

This granulate is particularly versatile and is an excellent solution for the production of profile seals and gaskets in fire protection doors, facades, safety storage cabinets and drywall constructions.

It is free from halogens and substances that are hazardous to health, which ensures safe application.

KERAFIX® Everseal T N Granulat is very flexible and adaptable. It is easy to form into different shapes and dimensions.

Reaction to fire

- Class E (DIN EN 13501-1)

Properties

- Intumescent
- Insensitive to moisture
- Free from halogens and substances that are hazardous to health
- Low weight, easy to handle and install
- Durable and resistant to ageing
- Has a wide range of uses
- Easy to handle

Field of application

- Production of profile seals and gaskets

Technical data

Composition	Expandable graphite and TPE-based foaming material that is free from halogens, asbestos and conflict minerals. Compliant with REACH, RoHS and VOC and UV-resistant
Material structure	Granulate
Volatile components (VOC) [g/l]	None
Dynamic pressure [bar]	10 – 50
Start of reaction [°C]	180
Expansion rate [x times]	3 – 6.5
Intumescent layer	Solid, stable material
Direction of expansion	Three-dimensional
Pre-drying [h]	4 hours at 50 °C

Processing information

Mould temperature [°C]	20 – 40
Injection pressure [bar]	400 – 1000

1. Preparation:
   - Before processing, bring the granulate to a consistent room temperature to maintain the material properties at a constant level during the moulding process.
   - The granulate should be pre-dried at around 50 °C for 4 hours to ensure optimal workability.
2. Processing temperature and injection parameters:
   - The melting temperature is approximately 130 °C.
   - Injection pressure: 400 – 1000 bar.
   - Mould temperature: 20 – 40 °C.
3. Safety notes:
   - During processing, wear safety gloves and respiratory protection to minimise contact with dust and particles.
   - Signs of abrasion may appear; therefore, make sure that the mould is stable.

Content of a package/set

In 500 kg octabin or at the customer's request.
Please note that the use of our granulate may cause wear due to abrasion.