

## Kerafix® Granules NG-N L

### Classification E according to DIN EN 13501-1 European Technical Assessment ETA-17/0978

#### Product Description

Kerafix® Granules NG-N L (low) is a high quality technical plastic material based on exfoliated graphite which develops a foamed body when heat is applied.

#### Benefits

- Free of organic solvents
- Halogen free
- Applicable for customary moulding, injection moulding and extrusion machines



Characteristic		Mean
Melt index DIN EN ISO 1133-1 130°C/2.16kg	MFR (g/10min)	0.13
	MVR (cm <sup>3</sup> /10min)	0.14
Melt index DIN EN ISO 1133-1 130°C/21.3kg	MFR (g/10min)	12.5
	MVR (cm <sup>3</sup> /10min)	11.5

#### Areas of Application:

Kerafix® Granules NG-N L is used as a starting material for injection moulded parts which expand in the case of fire.

#### Technical Data

Composition	Halogen-free based on expandable graphite
Material structure	Solid granules
Granulation	2-4mm
Start of reaction	From ca. 175°C
Expansion ratio	Ca. 12 times
Expansion pressure (N/mm <sup>2</sup> )	Ca. 0.45
Colour	Anthracite grey
Injection pressure (bar)	400-1000
Melting point	Ca. 130°C
Dynamic pressure (bar)	10-50
Mold temperature	20-40°C
Predrying	4 hours at 50°C

#### Availability

Kerafix® Granules NG-N L is supplied in octobins of 600kg or on customer request.