

PROMASEAL®-IG/IG4-B



Technical data			
VARIANTS		-IG	-IG4-B
Colour		Anthracite grey	Anthracite grey
Consistency		Hard	Flexible
Reaction to fire	Class	B-s1,d1	B-s1,d1
Use category	Class	Z ₂	Z ₂
Expansion temperature	°C	approx. 190	approx. 190
Density	g/l	approx. 430	approx. 680
Shore hardness (toler.)	mm		50 (±10)
Expansion factor	mm/g	4 - 8	4 - 8
Expansion pressure	N/mm ²	0.2 - 0.6	0.2 - 0.6
Moisture behaviour		Insoluble	

Delivery form	
Packaging	500 kg/big bag

Product description

PROMASEAL®-IG/IG4-B is a plastic-based graphite granulate that intumesces above approx. 190 °C.

Properties and advantages

- Resistant to atmospheric effects (light, heat, frost, UV radiation, humidity ⁽¹⁾)
- Free from organic solvents and halogens

Area of application

Intumescent granulates for injection moulded parts.

Handling

The granulate can be used in commercial injection moulding machines. In the entire processing area (injection unit, nozzle, closure, hot runner, tool) wear protection is required. Up to the low processing temperature, the values of polyethylene can be used as the basis for the adjustment. We recommend a pre-drying of the granulate (at least 3 hours 80-100 °C for IG and max. 60 °C for IG4-B). Further information is available on request.

Storage

- Storage temperature: 3 °C 35 °C
- Store in cool and dry rooms

Test certificates and approvals

- DIBt Z-19.11-1787 (PROMASEAL®-IG)
- DIBt Z-19.11-2060 (PROMASEAL®-IG4-B)

Safety instructions

Please request safety information.

All specified technical data are mean values from the production which are subject to the usual fluctuations and do not represent guaranteed properties in the sense of a guarantee. All information corresponds to the current state of the art and has been presented and described to the best of our knowledge. Changes due to new findings are possible, errors and misprints are not excluded. With regard to any liability, our delivery and payment terms apply exclusively. Request safety datasheet. With the publication of this edition, all previously published datasheets are invalid. © Copyright Etex NV, Brussels, Belgium. All rights reserved. **2020-01**

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