

PROMASEAL[®]-IG/IG4-B



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

Examinations and approvals

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

Safety instructions

Please request safety information.

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 ⁽¹⁾	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 ⁽²⁾	loaded	approx. 1:6	approx. 1:6
Expansion pressure	N/mm ²	approx. 0.3	approx. 0.35
Moisture behaviour		insoluble	

(1) The fire protection properties according to TR 024: 2009 are not impaired by weathering, however, direct influence from humidity can lead to optical and fastening impairments. We therefore recommend that you do not expose the product to permanent direct moisture. (2) Data are QS mean values of the basic version PROMASEAL[®]-IG and PROMASEAL[®]-IG4-B.

Delivery form

Packaging	500 kg/Big Bag
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