

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

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.

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