

PYRO-SAFE® B PX 2200

Two-Component Casting Resin

Description

PYRO-SAFE® B PX 2200 is a black intumescent two-component polyurethane-based casting resin. It is suitable for the production of moulded parts, panels and penetration seals for preventive fire protection.

Application Areas

- battery cases
- cell spacing
- cable management
- on request



Delivery and Packaging

| PYRO-SAFE® B PX 2200 | | | | separate hardener | |
|----------------------|---------|---------|-----------|-------------------|---------|
| Packaging | tin | barrel | cartridge | pail | |
| Container size | 1 kg | 250 kg | 345 ml | 5 kg | 25 kg |
| Article Number | 3146249 | 3146289 | 3146800 | 3146348 | 3145953 |

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PYRO-SAFE® B PX 2200

Technical Data

| | Resin | Hardener |
|---|--|------------------|
| Mixing ratio (Parts by weight) | 100 | 12 |
| Mixing ratio (Parts by volume) | 7.0 | 1 |
| Viscosity | approx. 25 000 mPa·s | approx. 40 mPa·s |
| Viscosity of the mixture | approx. 9000 mPa·s | |
| Mixed density | 1.45 kg/l | |
| Bookfield RVT pot life, +23 °C | 4–30 min (adjustable) | |
| Curing time | 3–24 hrs. | |
| Flash point | > 200 °C | |
| Reaction temperature | approx. 160 °C | |
| Thermal conductivity | 1.06 W/(m·K)-1 at +25 °C | |
| Application instructions | <ul style="list-style-type: none"> The surfaces to be cast must be dry and clean. Tools for the production of shaped parts must be provided with a suitable release agent. The application is preferably carried out by casting with two-component dosing systems or by hand casting. PYRO-SAFE® B PX 2200 is insensitive to moisture and largely resistant to common technical oils and mild/diluted acids and alkalis. | |
| Application (min. +5 °C / < 90 % relative humidity) | <p>For manual casting, the processing time at +23 °C is between 4–30 min.</p> <p>The curing time is 3–24 hours.</p> <p>The pot and curing times are adjustable and depend on the temperature.</p> | |
| Storage | 12 months in the original unopened container. Protect from frost. | |
| Safety information | PYRO-SAFE® B PX 2200 is fibre- and solvent-free and not subject to any dangerous goods class. Further information can be found in the safety data sheet. | |

Moulding Material

| | |
|---|------------------------------|
| Shore hardness (DIN 53505) | 88–93 Shore A; 45–50 Shore D |
| Inflation pressure (300 °C) method A, Sample thickness 5 mm, Ø 70 mm (DIBt Guidelines, 1996) | 0.6–1.2 N/mm² |
| Expansion (450 °C) | 17 to 26 times |
| Application temperature range | -50 °C to +80 °C |