

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	

Please contact us for further information:

+49 4105-40 90-14



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	 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)	For manual casting, the processing time at +23 °C is between 4–30 min. The curing time is 3–24 hours. The pot and curing times are adjustable and depend on the temperature.		
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

OL I (DIN 50505)	00 02 Chara A. 45 50 Chara D	
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	

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