

ISO-HK 165

Description:

ISO-HK 165 is a cold-curing 2-component cast resin based on inorganic metal salts. It was developed for applications where a high thermal stability and a high hardness is required. ISO HK 165 shows good adhesion to ceramic materials, glasses and metals and finds use where such materials have to be bonded.

If the sealed component is in contact with moisture a water repellent coating is recommended. Compatibility of component and cast resin should be determined previously.

Technical Data:

Separate component

Powder (component A)	mixture of inorganic salts (heavy metal free)
Liquid (component B)	aqueous solution of alkaline earths metal salts

Mixture

Ratio A to B: 104 pbw. : 100 pbw.

Comparable properties of the final product could also be realised by using the following formulation:

Ratio A to B: 100 pbw. : 65 pbw. + 15 pbw. Water

Potlife: app. 2 h

Curing time: 24-48 h (depending on temperature and moisture)

Hardness: 85 Shore D

Temperature resistance: long-time: 350°C
short-time: 400°C

Storage:

Store dry and well closed.

Processing:

Weight in liquid first, than powder. After mixing for 3 minutes and the mixture has to be poured into the mould immediately. Do not cure at elevated temperature.

Please see material safety data sheet for additional information.