

Revision: 12.07.2024

PRODUCT NAME	ITEM NO.	SUPPLEMENTARY DETAILS
Hot mounting resin EPO BLACK	95011990	1 kg
	95011991	5 kg
	95011992	10 kg

Description	Thermoset press offset for the production of materialographic mounting by means of biaxial hot pressing processes.
Material	Fine-grained, black granules based on epoxy resin. Filled with mineral filler and glass fibers. Further additives do not surpass the threshold values for mandatory identification and can be considered non-hazardous.
Properties	Granulated: black, weak characteristic smell
Application	EPO black is used for mounting materials from medium to high hardness. It provides good edge retention and is also suited for the preparation of deposited layers. Due to its fine granules it may also be used for mounting complex geometries. For the application of EPO black a hot mounting press is needed. The sample is placed on the lower piston of the mold. A sufficient amount of EPO black is added. The mold is closed, and a suitable mounting program started. The cured mounting material has a homogeneous, black surface and a hardness of 93 Shore-D. Heating time: 5-8 min, cooling time: 5-8 min, mounting temperature: 130- 180°C, mold pressure: 150-250 bar.
Health and safety	Ensure good ventilation at the workplace. During the curing reaction small amounts of VOCs are released. While handling EPO black protective gloves (Nitrile rubber), tight sealing eye protection and suitable protective clothing must be worn. In the case of dermal exposure, the contaminated skin should be rinsed with soap and water. In the case of combustion CO/CO2 and HCl are formed as dangerous reaction products. Pyrolysis products of epoxy-resin and boron compounds may also be toxic.
Environmental precautions	Small quantities of granulate and cured mounting material may be disposed alongside domestic waste. Larger amounts must be disposed of according to local legislation. The product is assigned to water hazard class 1 and must be kept away from phreatic-/surface waters and sewage systems.
Storage	The product is assigned to storage class 11 (TGRS 510). It should be stored dry and cool (3-30°C). The containers must be kept tightly sealed. A storage next to strong oxidants (e.g. perchloric acid, org. peroxides) and easily inflammable substances must be avoided. Further storage and safety relevant information can be gathered from the products MSDS.