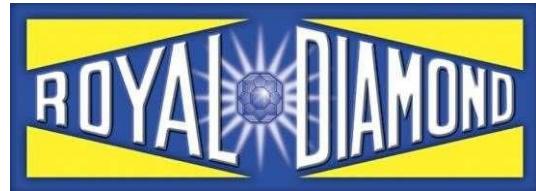


ROYAPOX 5050, two component thermal class B - 130°C



PRODUCT DESCRIPTION

ROYAPOX 5050 is an epoxy resin presented in two-component reacting at room temperature or rapidly when heated. They form a solid, hard and adherent mass with certain flexibility. It presents good qualities of moisture resistance and good mechanical properties and dielectric.

APPLICATION

The resin may be used in the impregnation and filling of small electronic components that require protection against moisture and temperature changes.

HOW TO USE

The resin is supplied in two separate and pre-dosed components: ROYAPOX 5050 and ENDURECEDOR 5050. The weight mixture ratio (resin/hardener) is 100/40. The airtight and sealed recipients should be stored at room temperature (15 - 25°C) for a shelf-life of up to 1 year. Mix proportion of the two components keeps for a period of 45 minutes at room temperature of 20°C. For easier removal of the resin from the mold, we recommend using a EUROSILICON silicone spray product. Crystallized resin can be restored to its original state by heating to 80 °C without detriment to its quality.

CHARACTERISTICS	ROYAPOX 5050	ENDURECEDOR 5050	MIX 100/40
Viscosity at 25°C (mPa.s)	4000 ± 1000	30 ± 10	1000 ± 200
Density at 20°C (g/cm3)	1,15 ± 0,01	0,99 ± 0,02	1,0 ± 0,01
Pot Life at 25°C (min)	..... 50		
Total polymerization	..... 3 h at 100°C		
Shore D hardness	..... 85		
Elongation (%)	..... 7		
Water absorption 24h 20°C (% weight)	..... 0,2		
Dielectric strength, 50 Hz 20°C (KV / mm)	..... 20		
Surface resistance (Ohm)	..... $5 \cdot 10^{12}$		
Specific resistance (Ohm.cm)	..... $1,3 \cdot 10^{12}$		
Dissipation factor tg, 50Hz 20°C	..... 0,0094		
Dielectric constant 50 Hz 25°C	..... 3,8		
Martens point (°C)	..... 60		
Thermal conductivity (W/ mK)	..... 0,15		

PACKAGES

The product is available in 1kg, 5kg and 25kg packages.