Distribution of components and chemical products

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Product Data Sheet

ISO-PUR K 764

Description:

ISO-PUR K 764 is a cold-curing 2-component polyurethane cast resin. The putty was created for sealing mechanical parts (e. g. cable inlets). The mixed system is highly thixotropic and sticks on vertical walls, for example.

Cured samples of ISO-PUR K 764 are hard and mechanical stable but not become brittle. The system shows low shrinkage while curing. ISO-PUR K 764 protects against corrosion and shows good adhesion to metal, ceramics and many plastics.

Technical Data:

resin	viscosity / 20°C colour density / 20°C	app. 4000 mPa s pale brown* 1.4 g/cm³
hardener	viscosity / 20°C colour density / 20°C	App. 120 mPa s Brown 1.2 g/cm³
mixture	mixing ratio resin : hardener viscosity / 20°C colour density / 20°C potlife / 20°C max. temperature (200g, start at 20°C)	 4 : 1 pbw does not flow pale brown* 1.4 g/cm³ app. 8 min app. 60°C *

* or on request

Continuation Technical Data ISO-PUR K 764

Properties of cured product (typical values):

mixing ratio resin : hardener	4 : 1 pbw
hardness	appr. 98 Shore A / appr. 60 Shore D
temperature resistance	long-time: 140°C short-time: 200°C
tensile strength	24 N/mm^2
elongation at break	70 %
dielectric strength	13 kV/mm
dielectric strength while still liquid	7 kV/mm
dissipation factor tan δ / 25°C / 50Hz	0.02
dielectric constant ε / 25°C / 50Hz	4.3
thermal conductivity	0.45 W/K m
thermal volume expansion coefficient	50 * 10^{-6} K^{-1}
tracing resistance	KA 3c
water absorption after 30 days / 23°C	0.2 %
chemical resistance against mineral oil, 2n H_2SO_4, $CaCO_3$-solution	no visible degradation

Storage:
Store dry and well closed. Open aluminium bag immediately before use

Processing:
Stir up resin compound well. Then mix resin and hardener carefully in recommended ratio for 1 - 2 minutes.

Please see material safety data sheet for additional information.

This data sheet replaces previous issues. Stand: 15.05.08