

Product Data Sheet

ISO-PUR K 792 VP

Description:

ISO-PUR K 792 VP is a cold-curing 2-component polyurethane casting resin based on polyether polyols and cycloaliphatic diisocyanates. The potting compound is characterized by a low potting viscosity. ISO-PUR K 792 VP has good adhesion to metals and plastics out. The hydrolysis resistance is excellent. The low temperature properties of the mass are also good. Main application is a gentle transparent casting of electronic and optical components.

Technical Data:

resin	viscosity / 20°C	app. 70 mPa s
	colour	colourless*
	density / 20°C	1.0 g/cm ³
hardener	viscosity / 20°C	app. 1000 mPa s
	colour	colourless
	density / 20°C	1.2 g/cm ³
mixture	mixing ratio resin : hardener	1 : 1 pbw
	viscosity / 20°C	app. 400 mPa s
	colour	colourless*
	density / 20°C	1.05 g/cm ³
	potlife / 20°C	app. 15 min*

* or on request

Continuation Technical Data ISO-PUR K 792 VP

Properties of cured product (typical values):

mixing ratio resin : hardener	1 : 1 pbw
hardness	app. 65 Shore A
temperature resistance	long-time: min. 100°C
dielectric strength	> 22 kV/mm
dissipation factor $\tan \delta$ / 25°C / 50Hz	0.006
dielectric constant ϵ / 25°C / 50Hz	2.8
thermal conductivity	0.2 W/K m
thermal volume expansion coefficient	$3 \cdot 10^{-4} \text{ K}^{-1}$
tracing resistance	KA 3c
chemical resistance against mineral oil, 2n H ₂ SO ₄ , CaCO ₃ -solution	no visible degradation

Storage:

Store dry and well closed.

Processing:

Stir up resin component well. Then mix resin and hardener carefully in recommended ratio for 1 - 2 minutes until a homogeneous thixotropic mixture is formed. Process the material immediately after mixing.

Please see material safety data sheet for additional information.