

Technical Data Sheet

EPUMOULD 100

Labor - Rev.-Status: 011 – 2007/08/06

Page 1 of 1

Product description	EPUMOULD 100 is a low-viscosity casting material with very high resistance to cooling emulsions as well as to mineral and synthetic grease and cutting material.
Application	To form precision areas of machine components from mineral cast as well as to bond components made of mineral cast.
Mechanical data	
<ul style="list-style-type: none"> • Density approx. 1,65 g/cm³ • Modulus of elasticity * > 11000 N/mm² • Max. surface pressure, statically approx. 25 N/mm² • Compressive strength * (determined by sample Ø 20x20 mm) <ul style="list-style-type: none"> 24h at 20°C RT approx. 111 N/mm² 48h at 20°C RT approx. 118 N/mm² 72h at 20°C RT approx. 121 N/mm² 60d at 20°C RT approx. 145 N/mm² 7d at 20°C RT+8d 50°C approx. 160 N/mm² • Change of volume by immersion <ul style="list-style-type: none"> 60d at 50°C in water + 0,26% 60d at 50°C in cooling emulsion + 0,31% • Deflection temperature (Martens) <ul style="list-style-type: none"> ca. 50°C (7d/RT) ca. 70°C (4h/120°C) • Adhesive tensile strength against polymer cast > 10 N/mm² (fracture of polymer cast) • Thermal expansion coefficient approx. 40 x 10⁻⁶ 1/K 	
Note	<p>All recommendations for the use of our products are based on years of experience and the current state of our knowledge. Notwithstanding any such recommendations the Buyer shall remain responsible for satisfying himself that the products are suitable for his intended process or purpose.</p> <p>Since we cannot control the application, use or processing of the products, we cannot accept responsibility therefore. The Buyer shall ensure that the intended use of the products will not infringe any third party's intellectual property rights. We warrant that our products are free from defects in accordance with and subject to our general conditions of supply.</p>

* measured by the testing machine Form + Test Seidner, Typ 502/3000/100SP