

Technical Data Sheet

EPUMENT 140/5

Labor - Rev.-Status: 009 – 2007/08/06

Page 1 of 1

Product description	EPUMENT 140/5 – is a three component cast polymer based on an epoxy resin including a more special filler combination, which fulfills the highest requirements :	
Properties	<ul style="list-style-type: none"> • Best possible absorption characteristics • Low thermal conductivity • Possibility of "Do-it-yourself"-casting • Cast well without compaction 	
Application	For casting big weldments or cast constructions e.g. machine parts (pillars, machine stands and engine beds) as well as substructures for assemblies strained by vibration e.g. engines, gear, turbines, centrifuges and test rigs to get a higher static and dynamic rigidity.	
Mechanical data	<ul style="list-style-type: none"> • Density ca. 2,3 g/cm³ • Compressive strength * > 140 N/mm² • Flexural strength * > 35 N/mm² • Modulus of elasticity * > 30 kN/mm² • Logarithmic decrement 0,035 • Thermal expansion coefficient ca. 19,5 · 10⁻⁶ K⁻¹ at 20 °C • Thermal conductivity ca. 2,3 W/mK at 25 °C • Specific heat capacity ca. 1,3 J/g K at 25 °C • Thermal diffusivity ca. 0,9 mm²/s at 25 °C • Maximum grain size 5 mm (wall thickness of cast > 40 mm) • Curing time approx. 24 hours 	
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