

Technical Data Sheet

EPUMENT 140/8B

Labor - Rev.-Status: 008 – 2007/08/06

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Product discription	EPUMENT 140/8B – is a three component mineral cast polymer based on an epoxy resin including a special filler combination consisting of raw materials. Due to state-of-the-art batching, mixing and vibrating engineering, a high performance material is achieved which is homogeneous, optimally compact and low on entrapped air.	
Properties	<ul style="list-style-type: none"> • Good rigidity • Best vibration absorption • Less sensitive to heat • Adjustment to the coefficient of thermal expansion on steel 	
Application	For casting large-volume 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. For casting steel welding constructions to get a higher static and dynamic rigidity.	
Technical infos		
	<ul style="list-style-type: none"> • Density • Compressive strength * • Flexural strength * • Modulus of elasticity * • Poisson's ratio • Logarithmic decrement • Thermal expansion coefficient • Thermal conductivity • Specific heat capacity • Thermal diffusivity • Maximum grain size • Wall thickness 	<p>approx. 2,3 g/cm³</p> <p>130 - 150 N/mm²</p> <p>30 - 35 N/mm²</p> <p>35 - 40 kN/mm²</p> <p>approx. 0,29</p> <p>0,03</p> <p>approx. 16 · 10⁻⁶ K⁻¹ at 20°C</p> <p>approx. 2,8 W/mK at 25°C</p> <p>approx. 0,8 J/g K at 25°C</p> <p>approx. 1,7 mm²/s at 25°C</p> <p>8 mm</p> <p>> 40 mm</p>
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