

Technical Data Sheet

EPUMENT 161L

Labor - Rev.-Status: 003 – 2007/08/06

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Product description	EPUMENT 161L – is a three component backfill mass based on an epoxy resin including a more special filler combination, which fulfills highest requirements.	
Properties	<ul style="list-style-type: none"> • Highest strength • No crack initiation due to a low exothermic reaction • Thermal expansion coefficient adjusted on steel 	
Application	To obtain high modulus back-filled tools by the combination of wear-resistant surface resins and supporting structures made of steel. Particularly suitable for foaming tools, blowing tools, plate working tools, rolls, spindles	
Mechanical data		
• Density	ca. 2,5 g/cm ³	
• Compressive strength *	> 150 N/mm ²	
• Flexural strength *	> 50 N/mm ²	
• Modulus of elasticity *	> 35 kN/mm ²	
• Logarithmic decrement	0,03	
• Thermal expansion coefficient	ca. $10 \cdot 10^{-6} \text{ K}^{-1}$	at 20 °C
• Thermal conductivity	ca. 4,8 W/mK	at 25 °C
• Specific heat capacity	ca. 1,0 J/g K	at 25 °C
• Thermal diffusivity	ca. 1,8 mm ² /s	at 25 °C
• Deflection temperature	100 °C	
• Wall thickness	15 - 300 mm	
• Maximum grain size	3 mm	
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