

TECAPEEK IM natural - 型材 (棒材, 板材, 管件)

化學命名

PEEK (聚醚醚酮)

顏色

米黃色 不透明

密度

1.3 g/cm³

主要特色

- 優異的耐化學性
- 固有的防火性
- 良好的熱變形溫度
- 耐水解和熱蒸氣
- 良好的加工特性
- 良好的滑動及耐磨特性

目標產業

- 石油和天然氣工業
- 化學技術
- 能源工業
- 機械工程

機械特性	參數	值	單位	標準	註解
抗拉強度	50mm/min	95	MPa	ASTM D 638	1)
斷裂伸長率	50 mm/min	45	%	ASTM D 638	
抗彎強度	2mm/min, 10 N	124	MPa	ASTM D 790	
彈性模數 (彎曲測試)	2mm/min, 10 N	3700	MPa	ASTM D 790	
球壓式硬度		84.5		ASTM D 2240	
熱特性	參數	值	單位	標準	註解
玻璃轉化溫度		150	°C	DIN EN ISO 11357	1)
熔化溫度		341	°C	DIN EN ISO 11357	
使用溫度	short term	300	°C	-	2)
使用溫度	long term	300	°C	-	

Our information and statements reflect the current state of our knowledge and shall inform about our products and their applications. They do not assure or guarantee chemical resistance, quality of products and their merchantability in a legally binding way. Our products are not defined for use in medical or dental implants. Existing commercial patents have to be observed. The corresponding values and information are no minimum or maximum values, but guideline values that can be used primarily for comparison purposes for material selection. These values are within the normal tolerance range of product properties and do not represent guaranteed property values. Therefore they shall not be used for specification purposes. As the properties depend on the dimensions of the semi-finished products and the orientation in the component (esp. in reinforced grades), the material may not be used without a separate testing under individual circumstances. The customer is solely responsible for the quality and suitability of products for the application and has to test usage and processing prior to use. Data sheet values are subject to periodic review, the most recent update can be found at www.ensingerplastics.com. Technical changes reserved.

時間: 2018/02/22

版本: AA