

TECAPEEK MT XRO blue - 型材 (棒材, 板材, 管件)

化學命名

PEEK (聚醚醚酮)

顏色

藍色 不透明

密度

1.39 g/cm³

添加物

硫酸銀

主要特色

- 高蠕變抗性
- x光線下可見
- 良好的耐化學性
- 良好的滑動及耐磨特性
- 高能輻射抗性
- 優異的耐應力破裂
- 耐水解和熱蒸氣
- 非常易於消毒

目標產業

- 醫療科技
- 食品科技
- 機械工程

機械特性	參數	值	單位	標準	註解
抗拉強度	50mm/min	120	MPa	DIN EN ISO 527-2	(1) For tensile test: specimen type 1b
彈性模數 (張力測試)	1mm/min	4500	MPa	DIN EN ISO 527-2	(1) (2) For Charpy test: support span 64mm, norm specimen. n.b. = not broken
斷裂伸長率	50mm/min	10	%	DIN EN ISO 527-2	
衝擊強度(Charpy)	max. 7.5J	n.b.	kJ/m ²	DIN EN ISO 179-1eU	2)
缺口衝擊強度(Charpy)	max. 7.5J	5.7	kJ/m ²	DIN EN ISO 179-1eA	
蕭氏硬度	D	91		DIN EN ISO 868	

熱特性	參數	值	單位	標準	註解
熔化溫度		342	°C	DIN 53765	(1) Found in public sources. Individual testing regarding application conditions is mandatory.
使用溫度	short term	300	°C	-	1)
使用溫度	long term	260	°C	-	

→ TECAPEEK 產品是使用 Victrex® PEEK 原物料製作而成。

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