

TECADUR MT TR natural - 型材 (棒材, 板材, 管件)

化學命名

PCT-G (聚對苯二甲酸乙二醇酯)

顏色

透明色 透明色

密度

1.18 g/cm³

主要特色

- 良好的耐化學性
- 絕佳的衝擊強度
- 高伽瑪輻射抗性

目標產業

- 醫療科技
- 醫藥產業
- 化學技術

機械特性	參數	值	單位	標準	註解
彈性模數 (張力測試)	1mm/min	1500	MPa	DIN EN ISO 527-2	1)
降伏點抗拉強度	50mm/min	48	MPa	DIN EN ISO 527-2	
斷裂伸長率	50mm/min	181	%	DIN EN ISO 527-2	
抗彎強度	2mm/min, 10 N	63	MPa	DIN EN ISO 178	2)
彈性模數 (彎曲測試)	2mm/min, 10 N	1420	MPa	DIN EN ISO 178	
壓縮強度	1% / 2% / 5% 5mm/min, 10 N	15/25/50	MPa	EN ISO 604	3)
壓縮模數	5mm/min, 10 N	1020	MPa	EN ISO 604	4)
衝擊強度(Charpy)	max. 7.5J	n.b.	kJ/m ²	DIN EN ISO 179-1eU	5)
缺口衝擊強度(Charpy)	max. 7.5J	94	kJ/m ²	DIN EN ISO 179-1eA	
球壓式硬度		81	MPa	ISO 2039-1	6)
熱特性	參數	值	單位	標準	註解
玻璃轉化溫度		108	°C	DIN EN ISO 11357	
熱膨脹 (CLTE)	23-100°C, longitudinal	8	10 ⁻⁵ K ⁻¹	DIN EN ISO 11359-1;2	
熱膨脹 (CLTE)	23-60°C, longitudinal	8	10 ⁻⁵ K ⁻¹	DIN EN ISO 11359-1;2	
其他特性	參數	值	單位	標準	註解
吸濕性	24h / 96h (23°C)	0.09 / 1.74	%	DIN EN ISO 62	1) - poor resistance 2) - poor resistance
耐熱水/鹼		-	-	-	1)
耐候性		-	-	-	2)
耐燃性(UL94)	corresponding to	HB	-	-	3)

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