

## TECAFINE PMP natural - 型材 (棒材, 板材, 管件)

### 化學命名

PMP (聚甲基戊烯)

### 顏色

淺黃色 透明色

### 密度

0.83 g/cm<sup>3</sup>

### 主要特色

- 良好的耐化學性
- 電絕緣
- 良好的加工特性
- 易於研磨
- 高蠕變抗性
- 低密度
- 高韌性

### 目標產業

- 食品科技
- 機械工程
- 汽車工業

機械特性	參數	值	單位	標準	註解
抗拉強度	50mm/min	26	MPa	DIN EN ISO 527-2	(1) For tensile test: specimen type 1b
彈性模數 (張力測試)	1mm/min	1000	MPa	DIN EN ISO 527-2	(2) For flexural test: support span 64mm, norm specimen.
降伏點抗拉強度	50mm/min	26	MPa	DIN EN ISO 527-2	(3) Specimen 10x10x10mm
降伏點伸長率	50mm/min	6	%	DIN EN ISO 527-2	(4) Specimen 10x10x50mm, modulus range between 0.5 and 1% compression.
斷裂伸長率	50mm/min	67	%	DIN EN ISO 527-2	(5) For Charpy test: support span 64mm, norm specimen.
抗彎強度	2mm/min, 10 N	31	MPa	DIN EN ISO 178	(6) Specimen in 4mm thickness
彈性模數 (彎曲測試)	2mm/min, 10 N	800	MPa	DIN EN ISO 178	
壓縮強度	1% / 2% 5mm/min, 10 N	11 / 19	MPa	EN ISO 604	3)
壓縮模數	5mm/min, 10 N	1000	MPa	EN ISO 604	4)
衝擊強度(Charpy)	max. 7.5J	17	kJ/m <sup>2</sup>	DIN EN ISO 179-1eU	5)
球壓式硬度		58	MPa	ISO 2039-1	6)
熱特性	參數	值	單位	標準	註解
使用溫度	short term	170	°C		1)
使用溫度	long term	120	°C		
電性特性	參數	值	單位	標準	註解
其他特性	參數	值	單位	標準	註解
吸水率	24h / 96h (23°C)	<0.01 / <0.01	%	DIN EN ISO 62	1)
耐熱水/鹼		(+)	-	-	2)
耐候性		-	-	-	3)
耐燃性(UL94)	corresponding to	HB		DIN IEC 60695-11-10;	4)

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