

# ACRYLIC TUBES, RODS, AND PROFILES

## TECHNICAL DATA SHEET

### 產品特性 GENERAL PROPERTIES of PMMA

特性 PROPERTIES	單位 Unit	測試標準 Test Method	數值 VALUES
比重 Specific gravity	-	JIS K7112	1.19
折射率 Refractive index	-	JIS K7142	1.49
線性膨脹係數 Coefficient of linear expansion	cm/cm/°C	JIS K7197	$7 \times 10^{-5}$
軟化溫度 Vicat softening point	°C	JIS K7206	104
變形溫度 Distortion temperature under load	°C	JIS K7191	99
熔融指數 Melt flow rate	g/10min	JIS K7210	1.5
彎曲強度 Bending strength	MPa	JIS K7171	120
楊氏係數 Young's modulus in flexure	MPa	JIS K7171	3100
耐衝擊強度 Izod impact strength(with notch)	KJ/m <sup>2</sup>	JIS K7111	1.4
洛式硬度 Rockwell hardness	M scale	JIS K7202	100
成型收縮率 Molding shrinkage	%	ASTM D955	0.2~0.6
吸水率 Water Absorption	%	JIS K7209	0.3
耐燃性 Flammability	-	UL94	HB

The above data are typical laboratory values and are intended to serve as guides only.