

CHIMEI

a step up

奇美實業股份有限公司
717010 台南市仁德區中正路一段 398 號
+886-6-266-3000
www.chimeicorp.com

CHIMEI CORPORATION
No. 398, Sec. 1, Zhongzheng
Rd., Rende Dist., Tainan City
717010, Taiwan

PMMA ACRYREX® CM-220HT

Product Description 產品敘述: High heat resistant

物性 Properties	ISO 測試方法 ISO Test Method	測試條件 Test Condition	單位 Unit	CM-220HT
熔融指數 Melt Flow Index	1133	230°C×3.8KG	ml/10 min	2.8
比重 Mass Density	1183	23 °C	g/cm ³	1.19
拉伸強度 Tensile Strength	527	5 mm/min, yield	MPa	70
		5 mm/min, break	MPa	70
延伸率 Tensile Elongation	527	5 mm/min	%	12
彎曲強度 Flexural Strength	178	2 mm/min	MPa	103
彎曲彈性模數 Flexural Modulus		2 mm/min	GPa	2.8
IZOD 衝擊強度 Izod Impact Strength	180/1A	23 °C Notched	KJ/m ²	2
		-30 °C Notched	KJ/m ²	-
Charpy 衝擊強度 Charpy Impact Strength	179	23 °C Notched	KJ/m ²	2
		-30 °C Notched	KJ/m ²	-
維氏軟化溫度 Vicat Softening Temp.	306	1 Kg, 50 °C/hr	°C	121
		5 Kg, 50 °C/hr	°C	113
熱變形溫度 Heat Distortion Temp.	75/A	1.8 MPa Unannealed	°C	99
		1.8 MPa Annealed	°C	108
線膨脹係數 Coefficient of Linear Thermal Expansion	11359	-	-	6 X 10 ⁻⁵
燃燒等級 Flammability	-	UL-94	-	1.5mm HB
成型收縮率 Mold Shrinkage	294-4	-	%	0.2~0.6
標記 Symbol	1043	-	-	>PMMA<

June 18, 2021

Notes : These are typical properties only and are not to be construed as specifications. Users should confirm results by their own test

The above statement is based on our current level of knowledge and covers the above products directly manufactured and supplied by CHI MEI CORPORATION at the date of issue. CHI MEI CORPORATION makes no warranties, whether express or implied, and assumes no liability in connection with any use of above information. Notwithstanding the foregoing, CHI MEI CORPORATION shall in no event be held obligated or liable for any claims due to or arising from (i) any customer provided, consigned, materials and/or parts, which are incorporated or adopted in the products; (ii) any combination of the products with material not provided or authorized by our company; (iii) any modifications to the products which are made or directed by customer; (iv) our compliance with the specifications, instructions, and/or designs provided by customer; (v) any anti-trust, unfair competition and/or other unlawful actions effected by customer; or (vi) any defects, infringement, breach and/or violation which are arising out of customer's faults or otherwise not solely and directly attributable to CHI MEI CORPORATION. In no event will CHI MEI CORPORATION be liable for any indirect, special, exemplary, punitive, or consequential damages (including lost profits) of any nature whatsoever whether arising out of the purchase, shipment, unloading, handling, or use of any product or otherwise.