

PLEXIGLAS® 7M

产品概述:

PLEXIGLAS® 7M 是一种基于聚甲基丙烯酸甲酯的模塑料 (PMMA).

PLEXIGLAS® 模塑料常见的性能如下:

- 良好的透光率和亮度
- 优异的机械性能, 表面硬度和抗磨损性

PLEXIGLAS® 7M特殊性能如下:

- 较好的流动性
- AMECA listing.

应用:

用于照明行业挤出型材和面板

应用实例:

灯具, 显示屏和类似的技术用途的挤出产品

加工方法:

PLEXIGLAS® 7M可用常见的三段式注塑机注塑成型为工程用的热塑性塑料

模塑料物理形态/包装:

PLEXIGLAS® 7M 模塑料成品是粒径均匀的粒料, 以聚乙烯袋每25公斤包装; 也可应顾客要求包装。

产品性能参数:

	测试参数	单位	测试标准	7M
力学性能				
拉伸模量	1 mm/min	MPa	ISO 527	3200
断裂应力	5 mm/min	MPa	ISO 527	69
断裂伸长率	5 mm/min	%	ISO 527	4
卡毕冲击强度	23 °C	kJ/m ²	ISO 179/1eU	20
热性能				
维卡软化温度	B / 50	°C	ISO 306	104
玻璃化转变温度		°C	IEC 10006	108
线性热膨胀系数	0 - 50 °C	E-5 / °K	ISO 11359	8
燃烧性质 UL 94	1.6 mm	Class	IEC 707	HB
流变性能				
熔体流动速率, MVR	230 / 3.8	cm ³ /10min	ISO 1133	2.9
光学性能				
透光率	d=3 mm			
透光率	D65/10°	%	ISO 13468	92
折射率			ISO 489	1.49
其他性能				
密度		g/cm ³	ISO 1183	1.19
推荐加工条件				
预干燥温度		°C		最高 94
干燥时间		h		2 - 3
熔化温度		°C		220 - 260
冲模温度 (挤出)		°C		220 - 260

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The Business Unit Performance Polymers of Evonik is a worldwide manufacturer of PMMA molding compounds sold under the PLEXIGLAS® trademark on the European, Asian, African and Australian Continent and under the trademark ACRYLITE® in the Americas.

® = registered trademark

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