

PLEXIGLAS® Resist zk50

产品概述:

宝克力® 抗冲击 zk50 是一种无定形的抗冲改性热塑性模塑料(PMMA).

宝克力® 抗冲改性模塑料常见的性能如下:

- 高透光性和纯净度
- 高光泽度
- 良好的注塑体验以及注塑时较为安静

宝克力® 抗冲击 zk50 特殊性能如下:

- 最高的耐断裂性和抗冲强度
- 改进的耐应力应变性能
- 具有耐洗涤剂认证

应用:

注塑和挤出以及共挤的注塑件, 板材, 型材等

应用实例:

照明装置物, 写字或者画画工具, 洁具等。

加工方法:

PLEXIGLAS® Resist zk50 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® Resist zk50 模塑料成品是粒径均匀的粒料, 以聚乙烯袋每25公斤包装或以配有聚乙烯内衬的箱子每500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	Zk50
力学性能				
拉伸模量	1 mm/min	MPa	ISO 527	950
屈服应力	50 mm/min	MPa	ISO 527	25
屈服应变	50 mm/min	%	ISO 527	5
断裂伸长率		%		n.b.
缺口卡毕冲击强度	23 °C	kJ/m ²	ISO 179/1	13
热性能				
维卡软化温度	B / 50	°C	ISO 306	75
玻璃化转变温度		°C	IEC 10006	115
负载下的热变形温度	0.45 MPa	°C	ISO 75	73
负载下的热变形温度	1.8 MPa	°C	ISO 75	70
线性热膨胀系数	0 - 50 °C	E-5 / °K	ISO 11359	15
耐火等级	1.6 mm	Class	IEC 707	HB
流变性能				
熔体流动速率, MVR	230 °C / 3.8 kg	cm ³ /10 min	ISO1133	0.1
光学性能				
透光率	D65, 3 mm	%	ISO 13468-2	89
折射率			ISO 489	1.49
其他性能				
密度		g/cm ³	ISO 1183	1.12
吸水率	23 °C / 50 %	%	ISO 62	0.42
推荐加工条件				
预干燥温度		°C		最高 65
干燥时间		h		2-3
熔化温度		°C		230-240
模温 (注塑温度)		°C		50-70

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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.

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