

PLEXIGLAS® Resist zk5BR

产品概述:

PLEXIGLAS® Resist zk5BR 是一种无定形的抗冲改性热塑性模塑料(PMMA).

PLEXIGLAS® 抗冲改性模塑料常见的性能如下:

- 强耐候性
- 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

Resist zk5BR 特殊性能如下:

- 较高耐断裂性和抗冲强度
- 改进的耐应力应变性能
- 平衡的性能
- AMECA Listing

应用:

注塑和挤出以及共挤的注塑件, 板材, 型材等

应用实例:

手机面板, 显示面板, 挤出或注塑照明件面罩, 挤出中空型材, 笔, 外壳, 共挤窗型材家用制品的把手, 碗, 杯子等。

加工方法:

PLEXIGLAS® Resist zk5BR 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 zk5BR 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	zk5BR
力学性能				
拉伸模量	1 mm/min	MPa	ISO 527	2400
屈服应力	50 mm/min	MPa	ISO 527	62
屈服应变	50 mm/min	%	ISO 527	4.5
断裂伸长率		%	ISO 527	27
卡毕冲击强度	23 °C	kJ/m ²	ISO 179/1eU	50
热性能				
维卡软化温度	B / 50	°C	ISO 306	100
玻璃化转变温度		°C	IEC 10006	109
负载下的热变形温度	0.45 MPa	°C	ISO 75	98
负载下的热变形温度	1.8 MPa	°C	ISO 75	93
线性热膨胀系数	0 - 50 °C	E-5 / °K	ISO 11359	9
耐火等级			DIN 4102	B2
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	3.3
光学性能				
透光率	D65, 3 mm	%	ISO 13468-2	92
雾度			ASTM D1003	<2
折射率			ISO 489	1.49
其他性能				
密度		g/cm ³	ISO 1183	1.17
水中吸水率		%	ISO 62	1.9
吸水率	23 °C / 50 %	%	ISO 62	0.5
推荐加工条件				
预干燥温度		°C		最高 90
干燥时间		h		2-3
熔化温度		°C		220-260
模温 (注塑温度)		°C		50-70

本页所有数据是材料代表性数据, 仅供参考。本公司无义务提供本页数据, 所示内容也不代表本公司产品规格。

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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

PLEXIGLAS and PLEXIMID are registered trademarks of Evonik Röhm GmbH, Darmstadt, Germany

Ref. No.:MC114-E3 V0160 Date: 2011-04-04

Evonik Röhm GmbH Kirschenallee 64293 Darmstadt

Telefon +49 6151 18-4711 Telefax +49 6151 18-3177