

## PLEXIGLAS® Resist zk5HC

### 产品概述:

宝克力® 抗冲击 zk5HC 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:

- 高耐候性
- 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

宝克力® 抗冲击 zk5HC 特殊性能如下:

- 高耐断裂性和抗冲强度
- 最好的耐应力应变性能相比其他改性宝克力模塑料

### 应用:

挤出以及共挤的制品, 板材, 型材等

### 应用实例:

挤出共挤的板材和型材, 用于汽车车体或者洁具用品 (浴缸或者淋浴房底座) 或者经常接触较强环境的水晶效果的发光面罩等。

### 加工方法:

宝克力® 抗冲击 zk5HC 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:

宝克力® 抗冲击 zk5HC 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	zk5HC
<b>力学性能</b>				
拉伸模量	1 mm/min	MPa	ISO 527	2500
屈服应力	50 mm/min	MPa	ISO 527	63
屈服应变	50 mm/min	%	ISO 527	5
断裂伸长率		%		28
卡毕冲击强度	23 °C	kJ/m <sup>2</sup>	ISO 179/1eU	55
<b>热性能</b>				
维卡软化温度	B / 50	°C	ISO 306	100
玻璃化转变温度		°C	IEC 10006	108
负载下的热变形温度	0.45 MPa	°C	ISO 75	*
负载下的热变形温度	1.8 MPa	°C	ISO 75	*
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
<b>流变性能</b>				
熔体流动速率, MVR	230 °C / 3.8 kg	cm <sup>3</sup> /10 min	ISO1133	0.7
<b>光学性能</b>				
透光率	D65, 3 mm	%	ISO 13468-2	92
雾度			ASTM D1003	*
折射率			ISO 489	1.49
<b>其他性能</b>				
密度		g/cm <sup>3</sup>	ISO 1183	1.17
水中吸水率		%	ISO 62	1.9
吸水率	23 °C / 50 %	%	ISO 62	0.5
<b>推荐加工条件</b>				
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

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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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