

PLEXIGLAS® Resist zk5HF

产品概述:

宝克力® 抗冲击 zk5HF 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 zk5HF 特殊性能如下:

- 较高的耐断裂性和抗冲强度
- 改进的耐应力性能
- 非常好的流动性

应用:

注塑和挤出以及共挤的注塑件, 板材, 型材等

应用实例:

薄壁和长流程的部件, 需要精准的模具表面复制能力, 例如挤出的照明件面罩。手机面板, 显示面板, 等。

加工方法:

宝克力® 抗冲击 zk5HF 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 zk5HF 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	zk5HF
力学性能				
拉伸模量	1 mm/min	MPa	ISO 527	2500
屈服应力	50 mm/min	MPa	ISO 527	55
屈服应变	50 mm/min	%	ISO 527	4.5
断裂伸长率		%	ISO 527	25
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	96
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	8.1
光学性能				
透光率	D65, 3 mm	%	ISO 13468-2	92
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 85
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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