Eastar EB062
共聚多酯
Eastman Chemical Company

产品说明

Eastar Copolyester EB062 is a resin specifically developed for extrusion blown bottles where aesthetics such as high clarity and gloss, coupled with design flexibility, drive demand. Compared to commonly used materials, Eastar copolyester EB062 runs on most standard processing equipment. Extremely high melt strength makes the resin an excellent choice when manufacturing large bottles.

This product has been GREENGUARD INDOOR AIR QUALITY CERTIFIED®.
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This product is certified to NSF/ANSI Standard 51 for Food Equipment Materials.

总体

材料状态	• 已商用：当前有效		
供货地区	• 北美洲 • 非洲和中东	• 拉丁美洲 • 南美洲	• 欧洲 • 亚太地区
性能特点	• 刚性，良好 • 光泽，高 • 抗撞击性，良好 • 良好的熔体强度	• 良好的柔韧性 • 良好的着色性 • 耐化学性良好 • 清晰度，高	• 韧性良好 • 阻隔树脂
用途	• 吹塑成型应用 • 个人护理	• 瓶子 • 食品包装	
机构评级	• NSF 51		
形式	• 颗粒料		
加工方法	• 挤出吹塑成型		

物理性能	额定值 单位制	测试方法
比重	1.25 g/cm³	ASTM D792
收缩率 - 流动	0.30 %	ASTM D955
颜色		ASTM D2244
a	-0.20	
b	0.60	
L	95	
机械性能	**额定值 单位制**	**测试方法**
拉伸模量	1900 MPa	ASTM D638
抗张强度		ASTM D638
屈服	47.0 MPa	
断裂	48.0 MPa	
伸长率		ASTM D638
屈服	5.0 %	
断裂	300 %	
弯曲模量	1900 MPa	ASTM D790
弯曲强度	65.0 MPa	ASTM D790
冲击性能	**额定值 单位制**	**测试方法**
悬壁梁缺口冲击强度		ASTM D256
-40°C	63 J/m	
23°C	无断裂	
无缺口悬臂梁冲击		ASTM D4218
-40°C	无断裂	
23°C	无断裂	
装有测量仪表的落镖冲击		ASTM D3763
-40°C, Energy at Peak Load	39.0 J	
0°C, Energy at Peak Load	41.0 J	
23°C, Energy at Peak Load	41.0 J	
硬度	**额定值 单位制**	**测试方法**
洛氏硬度 (R 计秤)	105	ASTM D785

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热性能	额定值 单位制	测试方法
热变形温度		ASTM D648
0.45 MPa, 未退火	73.0 °C	
1.8 MPa, 未退火	63.0 °C	
维卡软化温度	85.0 °C	ASTM D1525
光学性能	**额定值 单位制**	**测试方法**
光泽度 (60°)	143	ASTM D2457
透射率		ASTM D1003
常规	87.0 %	
总计	91.0 %	
雾度	1.3 %	ASTM D1003

备注

[1] 一般属性：这些不能被视为规格。