

# TOTAL Polystyrene Crystal 500B

通用型聚苯乙烯

TOTAL Refining & Chemicals

## Technical Data

### 产品说明

Polystyrene 500B: Is a high melt flow crystal polystyrene for high speed injection molding applications. The high flow characteristics make it easy to fill thin wall parts. Additionally, this material exhibits excellent clarity, strength and has a bluish tint.

#### Application:

- Cutlery, tumblers, and containers
- Gloss capping material
- Blending crystal
- Masterbatch carrier

#### General Information:

- This material complies with FDA requirements as described in 21 CFR §177.1640.
- This material holds Underwriters Laboratory recognition 94HB; see UL File E55470 at www.UL.com.
- USP Class VI
- Material Safety Data Sheets are available to help customers satisfy their safety needs.

### 总体

特性	<ul style="list-style-type: none"><li>• 高强度</li><li>• 快的成型周期</li></ul>	<ul style="list-style-type: none"><li>• 流动性高</li><li>• 清晰度, 高</li></ul>
用途	<ul style="list-style-type: none"><li>• 薄壁部件</li><li>• 混合</li></ul>	<ul style="list-style-type: none"><li>• 母料</li><li>• 容器</li></ul>
机构评级	<ul style="list-style-type: none"><li>• FDA 21 CFR 177.1640</li></ul>	<ul style="list-style-type: none"><li>• USP 第VI类</li></ul>
UL文件号	<ul style="list-style-type: none"><li>• E55470</li></ul>	
形式	<ul style="list-style-type: none"><li>• 粒子</li></ul>	
加工方法	<ul style="list-style-type: none"><li>• 注射成型</li></ul>	

物理性能	额定值	单位制	测试方法
密度	1.04	g/cm <sup>3</sup>	
熔速率 (熔体流动速率) (200°C/5.0 kg)	14	g/10 min	ASTM D1238
收缩率 - 流动	0.40 到 0.70	%	ASTM D955
湿度	< 0.10	%	
机械性能	额定值	单位制	测试方法
拉伸模量	3100	MPa	ASTM D638
抗张强度	44.1	MPa	ASTM D638
弯曲模量	3170	MPa	ASTM D790
弯曲强度	84.1	MPa	ASTM D790
热性能	额定值	单位制	测试方法
维卡软化温度	96.7	°C	ASTM D1525
Heat Distortion - Annealed	91	°C	ASTM D648
可燃性	额定值	单位制	测试方法
UL 阻燃等级	HB		UL 94

