



**Eastech**  
亿科化学



聚合睿见 塑造无限

# 临时技术规格书

Provisional Technical Data Sheet

全球领先高性能聚合物材料制造商 & 客户一体化解决方案提供者

亿科化学有限责任公司  
[www.eastechchemical.com](http://www.eastechchemical.com)

## ABS 产品资料 Product Information

产品牌号: B532/E

## 产品特性 Product features

- Improved impact for extrusion ❖ 冲击改良挤出级
- High heat-resistance ❖ 高耐热
- Excellent processability ❖ 良好的加工性能

## 产品应用 Applications

- Profiles ❖ 型材
- Auto applications & Modification ❖ 汽车及改性
- Multi-layer co-extruded sheets ❖ 多层共挤板

## 信息参数 Information parameters

性能 Properties	测试方法 Test Standard	测试条件 Test Condition	单位 Unit	典型值 Typical value <sup>[1,2]</sup>
<b>物理性能 Physical properties</b>				
密度 Density	ISO 1183	23°C	g/cm <sup>3</sup>	1.04
熔体质量流动速率 Melt mass-flow rate(MFR)	ISO 1133	220°C/10kg	g/10min	4
<b>机械性能 Mechanical properties(23°C/50% r. h.)</b>				
拉伸屈服强度 Tensile strength at yield	ISO 527	50mm/min	MPa	46
屈服应变 Strain at yield	ISO 527	50mm/min	%	3.1
拉伸模量 Tensile modulus	ISO 527	1mm/min	MPa	2150
洛氏硬度 Rockwell hardness	ISO 2039/2	R Scale	/	110
弯曲强度 Flexural strength	ISO 178	2mm/min	MPa	69
弯曲模量 Flexural modulus	ISO 178	2mm/min	MPa	2100
悬臂梁缺口冲击强度 Izod notched impact strength	ISO 180/1A	23°C, 5.5J	kJ/m <sup>2</sup>	21
<b>热性能 Thermal properties</b>				
维卡软化温度 Vicat softening temperature	ISO 306	50N, 50°C/h	°C	103
模塑收缩率 Molding shrinkage	ISO 294/4	23°C	%	0.4~0.7

[1]数据为典型值, 仅供参考, 不作为品质指标及其他用途的保证; The data are typical values for reference only and are not used as quality indicators or other purposes;

[2]不同颜色的产品其性能可能会不同。Different colors of products may have different properties.

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## 建议加工及干燥条件 Recommended processing &amp; Drying conditions

- \* 干燥时间 Drying time 2~4h
- \* 干燥温度 Drying temperature 80~90°C
- \* 干燥设备 Drying equipment 热风式干燥机 Hot air dryer

## 注塑成型工艺 Injection molding process

## 相关条件 Related conditions

		典型值 Optimum	范围 Range
熔体温度	Melt Temp.	220°C	210~230°C
料筒温度	Barrel Temp.	后段, Rear	210°C
		中段, Middle	215°C
		前段, Front	220°C
		喷嘴, Nozzle	220°C
加工上限温度	Processing Temp. Upper Limit	240°C	
注射压力	Injection Pressure	40~100MPa	
注射速度	Injection Speed	40~80mm/s	
塑化背压	Plasticization Back Pressure	5~20MPa	
建议模具温度	Recommended Mold Temp.	40~80°C	

以上加工参数仅供参考，实际工艺参数应根据不同机型、不同模具以及不同产品等进行适当调整。

The above processing parameters are for reference only. Actual process parameters should be adjusted appropriately according to different models, different molds and different products.

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