



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

ABS 产品资料 Product Information

产品牌号: C442

产品特性 Product features

| | |
|--------------------------|-----------|
| High heat-resistance | ✦ 高耐热 |
| Medium impact strength | ✦ 中等冲击 |
| Excellent processability | ✦ 良好的加工性能 |

产品应用 Applications

| | |
|---|------------|
| Interior car parts | ✦ 汽车内部件 |
| Rear view mirror case | ✦ 后视镜外壳 |
| Multi-layer co-extruded sheets & Profiles | ✦ 多层共挤板&型材 |

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 ^[1,2] |
|---|-----------------------|------------------------|-------------------|---------------------------------------|
| 物理性能 Physical properties | | | | |
| 密度 Density | ISO 1183 | 23°C | g/cm ³ | 1.04 |
| 熔体质量流动速率 Melt mass-flow rate(MFR) | ISO 1133 | 220°C/10kg | g/10min | 6 |
| 机械性能 Mechanical properties(23°C/50% r. h.) | | | | |
| 拉伸屈服强度 Tensile strength at yield | ISO 527 | 50mm/min | MPa | 48 |
| 屈服应变 Strain at yield | ISO 527 | 50mm/min | % | 3.2 |
| 拉伸模量 Tensile modulus | ISO 527 | 1mm/min | MPa | 2350 |
| 洛氏硬度 Rockwell hardness | ISO 2039/2 | R Scale | / | 110 |
| 弯曲强度 Flexural strength | ISO 178 | 2mm/min | MPa | 70 |
| 弯曲模量 Flexural modulus | ISO 178 | 2mm/min | MPa | 2150 |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ISO 180/1A | 23°C, 5.5J | kJ/m ² | 24 |
| 热性能 Thermal properties | | | | |
| 维卡软化温度 Vicat Softening temperature | ISO 306 | 50N, 50°C/h | °C | 105 |
| 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.

ABS 产品资料 Product Information

产品牌号: C442

建议加工及干燥条件 Recommended processing & 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.

本文本的数据与信息源自我们现在的认识与经验。如果将来有了新的认识和经验, 不排除对本文本的信息与数据进行修改而不预先通知的可能。由于使用条件和适用法律可能因地因时而异, 客户有责任确定本文件里的产品和产品信息是否适合客户使用, 并确保自己的工作场地和处理产品的方式符合可适用的法律和其它政府法规。亿科化学对本文本信息不承担任何责任与义务, 也未提供任何保证。在本文本中关于产品的可售性或某一特殊用途的可适用性的所有默示保证在此明确地予以排除。

The data and information in this text are based on our current knowledge and experience. If there are new understandings and experiences in the future, we reserve the right to modify the information and data in this text without prior notice. Since the conditions of use and applicable laws may vary by location and time, the customer is responsible for determining whether the products and product information in this document are suitable for the customer's use, and for ensuring that their workplace and the way they handle the products comply with applicable laws and other government regulations. Eastech Chemical does not assume any responsibility or obligation for the information in this text, nor does it provide any warranty. All implied warranties regarding the merchantability or fitness for a particular purpose of the products mentioned in this text are hereby expressly excluded.