

# C442

ABS 树脂 / ABS Resin

C442 是一种低残留量的耐热注塑级 ABS，在加工过程中具有良好的流动性和抗冲击性以及优异的热稳定性。

C442 is a low-residue, heat-resistant injection-grade ABS material. During the processing, it exhibits excellent fluidity, impact resistance, and outstanding thermal stability.

C442 主要用于汽车的内饰，也适用于高耐热性的挤出/共挤板材。

C442 is mainly used for the interior of automobiles, and it is also suitable for high-temperature-resistant extruded/co-extruded sheets.

## 性能特点 Benefits

高耐热 High heat resistance

高冲击 High impact strength

良好的加工性能 Good processing performance

## 应用领域 Applications

汽车内部件 Automobile interior components

后视镜外壳 Rearview mirror housing

挤压型材 Extruded profiles

性能 Properties	测试方法 Test Method	测试条件 Test Condition	典型值 Nominal Value
<b>物理性能 Physical Properties</b>			
密度 Density	ISO 1183-1	23°C	1.04 g/cm <sup>3</sup>
熔体质量流动速率 Melt Mass-Flow Rate (MFR)	ISO 1133	220°C/10kg	9 g/10min
模塑收缩率 Molding Shrinkage	ISO 294-4	23°C	0.4-0.7%
<b>机械性能 Mechanical Properties</b>			
拉伸屈服强度 Tensile Strength at Yield	ISO 527	50 mm/min	48 MPa
拉伸断裂伸长率 Tensile Elongation at Break	ISO 527	50 mm/min	15%
拉伸模量 Tensile Modulus	ISO 527	1 mm/min	2350 MPa
弯曲强度 Flexural Strength	ISO 178	2 mm/min	75 MPa
弯曲模量 Flexural Modulus	ISO 178	2 mm/min	2250 MPa
悬臂梁缺口冲击强度 Izod Notched Impact Strength	ISO 180	23°C, 5.5J, A 缺	16 kJ/m <sup>2</sup>
<b>热性能 Thermal Properties</b>			
热变形温度 Deflection Temperature Under Load	ISO 75-2	1.8 MPa	84 °C
维卡软化温度 Vicat Softening Temperature	ISO 306	50N, 50°C/h	105 °C

备注：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 specifications or other purposes.

## 加工工艺参数推荐

### Recommended Processing Parameters

#### 挤出成型 Extrusion

如无排气，建议在 80°C 下的空气循环烘箱中预干燥 2-4 小时。

If no venting, pre-drying required at 80°C for 2-4 hours in an air circulating oven.

熔体温度 190-230°C

Melt temperature 190-230°C

#### 注塑成型 Injection Molding

建议在 80°C 下的空气循环烘箱中预干燥 2-4 小时。

Pre-drying is required at 80°C for 2-4 hours in an air circulating oven.

熔体温度 Melt Temp 230-260°C

模具温度 Mould Temp 40-70°C

**备注：**以上加工参数仅供参考，实际工艺参数应根据不同机型、模具以及产品设计等进行适当调整。

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

**声明：**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.

### 与我联系 Follow us at:

- ①上海市东方路 1217 号陆家嘴金融服务广场 2 层 2C 室 2F/2C, 1217 Dongfang Road, Shanghai, China
- ②苏州工业园区兴浦路 200 号联东 U 谷双创中心 17A 17A, 200 Xingpu Road, Suzhou Industrial Park, China
- ③山东省东营市东营区化工产业园郝纯路 85 号 85 Haochun Road, Dongying, Shandong, China
- ④广州市天河区国际金融城金硕一路 11 号汉银广场 4207 室 4207, 11 Jinshuo No.1 Road, Guangzhou, China

