

M4

ABS 树脂 / ABS Resin

M4 是一种具有高拉伸比和表面光滑的哑光挤出级 ABS 树脂。

M4 is a type of matte extruded-grade ABS resin with a high stretch ratio and a smooth surface.

M4 特别适用于汽车和交通工具、挤出/共挤板材等多种应用领域，也适用于改性产品。

The M4 is particularly suitable for various application fields such as automobiles and transportation vehicles, extruded/compressed sheet materials, etc., and is also applicable to modified products.

性能特点 Benefits

哑光 Matt

高拉伸比 High stretch ratio

光滑的表面光洁度 Smooth surface finish

应用领域 Applications

汽车&交通 Automotive & Transportation

挤出/共挤板材 Extruded or Co-extruded Sheets

表面材料 Surface materials

性能 Properties	测试方法 Test Method	测试条件 Test Condition	典型值 Nominal Value
物理性能 Physical Properties			
密度 Density	ISO 1183-1	23°C	1.04 g/cm ³
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%
机械性能 Mechanical Properties			
拉伸屈服强度 Tensile Strength at Yield	ISO 527	50 mm/min	35 MPa
拉伸断裂伸长率 Tensile Elongation at Break	ISO 527	50 mm/min	80%
拉伸模量 Tensile Modulus	ISO 527	1 mm/min	1400 MPa
弯曲强度 Flexural Strength	ISO 178	2 mm/min	46 MPa
弯曲模量 Flexural Modulus	ISO 178	2 mm/min	1500 MPa
悬臂梁缺口冲击强度 Izod Notched Impact Strength	ISO 180	23°C, 5.5J, A 缺	10 kJ/m ²
热性能 Thermal Properties			
热变形温度 Deflection Temperature Under Load	ISO 75-2	1.8 MPa	79 °C
维卡软化温度 Vicat Softening Temperature	ISO 306	50N, 50°C/h	101 °C
光学性能 Optical Properties			
光泽度 Glossiness	ASTM D523-14	60°, GU	10°

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，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 180-220°C

Melt temperature 180-220°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.

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