

ABS

Material introduction / 材料介绍

Introduction / 介绍:

ABS is a rigid thermoplastic engineering material with superior mechanical properties. Stable material properties facilitate accurate functional testing and the production of 3D prototypes that are close to real products. It is suitable for the production of general mechanical parts and wear-reducing and wear-resistant parts.

ABS是一种有优越的机械性能的刚性热塑性工程材料。稳定的材料特性，有助进行准确的功能性测试，能够制作贴近真实产品的3D原型，适于制作一般机械零件、减磨耐磨零件；

Material advantages / 材料优点:

Good comprehensive performance, high impact strength

综合性能较好，冲击强度较高

High molecular materials with strong chemical stability and good electrical properties

化学稳定性强，电性能良好的高分子材料

Surface chrome spraying treatment

可表面镀铬喷漆处理

It has high impact resistance and high heat resistance

有高抗冲、高耐热等特性

Accuracy/精度:

±300µm or ±0.3%

Performance Parameter / 性能参数：

Heat deflection temperature /热变形温度:	100℃
Tensile strength /拉伸强度:	33.3±0.8MPa
Strain elongation /断裂延长率:	2.7±0.4%
Bending strength /弯曲强度:	59±1.3MPa
Impact strength of simply supported beam /简支梁冲击强度：	12.6±1.1KJ/M²

Application / 应用场景:

Industrial parts, tools, tooling fixtures and other fields.

工业零部件、工具、工装夹具等领域。