

丙烯腈-丁二烯-苯乙烯 (ABS) 树脂

ACRYLONITRILE-BUTADIENE-STYRENE RESIN



产品介绍 Product Introduction

ABS树脂是丙烯腈、1, 3-丁二烯、苯乙烯三种单体的接枝共聚物。同其他材料的结合性好, 易于表面印刷、涂层和镀层处理有优良的力学性能, 其冲击强度极好, 不受水、无机盐、碱及多种酸的影响。

The ABS resin is the graft copolymer of Acrylonitrile, 1, 3-butadiene and Styrene. It has a good adhesion with other materials, easy surface printing, coating and plating treatment. It has excellent mechanical properties, excellent impact strength, and it is not affected by water, inorganic salts, alkali and various acids.



产品应用 Product Applications

ABS树脂的最大应用领域是汽车、电子电器, 建材及DIY制作领域。此外还广泛的应用于包装、家具、体育和娱乐用品、机械和仪表工业中。

The largest applications of ABS resin are automobiles, electronics appliances, building materials, and DIY manufacturing. In addition, ABS is widely used in packaging, furniture, sporting and recreational goods, machinery, and instrumentation industries.

性能指标 Specifications

项目Items	单位Unit	GP201	HA-714	HI121	HF581
熔体质量流动速率(MFR) Melt Mass Flow Rate	g/10 min	20 ± 4	22 ± 4	10 ± 4	53 ± 4
拉伸强度(σ) Tensile Yield Stress (σ)	MPa	≥45	≥46	≥36	≥34
弯曲模量(E) Bending Modulus (E)	GPa	≥2.2	≥2.2	≥1.7	≥1.6
弯曲强度(σ_{bm}) Bending Strength (σ_{bm})	MPa	≥71	≥72	≥56	≥52
IZOD冲击强度 (23℃) Notched Impact Strength of Barrel Beam	kJ/m ²	≥18	≥14	≥28	≥20
维卡软化温度 (10N, 50℃/hr, 1kg) Vica Softening Temperature	℃	≥103	≥103	≥104	≥102
热变形温度 (1.8mpa, annealed) Heat Deflection Temperature	℃	≥94	≥95	≥94	≥93