通用级聚苯乙烯(HLGP270N)
GENERAL PURPOSE POLYSTYRENE

产品介绍 Product Introduction

通用级聚苯乙烯是一种热塑性树脂,为无色、无臭、无味而有光泽的、透明的珠状或粒状的固体。它可溶于芳香烃、氯代烃、脂肪族酮和酯等，具有优异的电性能、良好的光学性能和优良的刚性。

General purpose polystyrene is a thermoplastic resin, which is colorless, odorless, tasteless, glossy, transparent, and bead like or granular solid. It is soluble in aromatic hydrocarbons, chlorinated hydrocarbons, aliphatic ketones and esters, with excellent electrical, optical properties and good rigidity .

产品应用 Product Applications

聚苯乙烯透明且具有优良的刚性,特别是良好的卫生性、价廉,使其在食品包装方面具有广阔的应用前景。在仪器仪表、通讯器材业等方面聚苯乙烯广泛应用于各种仪器外壳、灯罩、仪器部件、化学酸储罐、支架、插件等。还大量应用于各种生活日用品,如瓶盖、容器、装饰品、纽扣、梳子等。

Polystyrene is transparent , and a good printability. Especially, its hygienic properties and low cost make it promising in the application of food packaging. In industries such as instrumentation, communication equipment etc., Polystyrene has been widely used in various instrument housings , lampshades, instrument component, chemical acid storage tanks, brackets,inserts. Besides,it is also widely used in various daily necessities, such as bottle caps, containers, decorations, buttons, combs.

恒力集团 HENGLI GROUP

性能指标 Specifications

项目 Analyte	单位 Unit	指标 Specification	试验方法 Test Method
黑粒 Black Grain	个/kg	0	SH/T 1541.1-2019
色粒及黑斑粒 Color Grains And Black Spots	个/kg	≤5	SH/T 1541.1-2019
熔体质量流动速率(MFR) The Melt Mass-Flow Rate	g/10min	1.9-2.7	GB/T 3682.1-2018
拉伸断裂应力(σ_b) Tensile Stress At Break	MPa	≥51.0	GB/T 1040.2-2022
简支梁冲击强度(α_{cU}) Charpy Impact Strength	kJ/m²	≥8.1	GB/T 1043.1-2008
负荷变形温度(T_f.45) Temperature Of Deflection Under Load	°C	≥90	GB/T 1634.2-2019
残留苯乙烯单体含量(Ç) Residual Styrene Monomer Content	mg/kg	≤500	GB/T 16867-1997
透光率 Light Transmittance	%	≥89	GB/T 2410-2008
模塑收缩率(S_{mp}) Moulding Shrinkage	%	0.3-0.6	GB/T 17037.4-2003
模塑收缩率(S_{mn}) Moulding Shrinkage	%	0.3-0.6	GB/T 17037.4-2003
维卡软化温度(Tv50/50) Vicat Softening Temperature	°C	≥96	GB/T 1633-2000