

聚甲醛(POM)

POLYXYMETHYLENE



产品介绍 Product Introduction



聚甲醛(POM), 又名缩醛树脂、聚缩醛, 是热塑性结晶性高分子聚合物, 被誉为“超钢”。具有较高的力学性能, 如强度、模量、耐磨性、韧性、耐疲劳性和抗蠕变性, 还具有优良的电绝缘性、耐溶剂性和可加工性, 是五大通用工程塑料之一。

Polyoxymethylene (POM), also known as acetal resin, and polyacetal, is a thermoplastic crystalline polymer, reputed as “super steel”. As one of the five general engineering plastics, POM has high mechanical properties, such as strength, modulus, abrasion resistance, toughness, fatigue resistance, and creep resistance, as well as excellent electrical insulating property, solvent resistance property, and processability.

产品应用 Product Applications

广泛应用于电子电气、机械、仪表、日用轻工、汽车、建材、农业等领域。

Polyoxymethylene (POM) has been widely used in electronic and electrical, machinery, instrumentation, light industry, automobiles, building materials, agriculture, and other fields.

性能指标 Specifications

项目 Analyte	单位 Unit	指标 Specification	试验方法 Test Method
黑粒 Black Granule	个/千克	0	SH/T 1541.1-2019
色粒及黑斑粒 Color Granule and BlackSpot Granule	个/千克	≤5	SH/T 1541.1-2019
大粒 Large Granule	g/kg	≤0	SH/T 1541.1-2019
小粒 Small Granule	g/kg	≤1	SH/T 1541.1-2019
熔体质量流动速率(MFR) The Melt Mass-Flow Rate	g/min	9± 1.0	GB/T 3682.1-2018
熔融温度 Melting Temperature	°C	≥ 160	GB/T 19466.3-2004
密度 Density	g/cm ³	1.38-1.43	GB/T 1033.1-2008
拉伸屈服应力 Tensile Stress At Yield	Mpa	≥ 60	GB/T 1040.2-2022
拉伸断裂标称应变 Nominal Tensile Strain At Break	%	≥ 20	GB/T 1040.2-2022
弯曲强度 Flexural Strength	Mpa	≥ 80	GB/T 1040.2-2022
拉伸弹性模量 Modulus of Elasticity For Tension	Mpa	≥ 2500	GB/T 9341-2008
简支梁缺口冲击强度 Charpy Notched Impact Strength	kJ/m ²	≥ 6.0	GB/T 1043.1-2008
负荷变形温度(Tf1.8) Tem perature Of Deflection	°C	≥ 85	GB/T 1634.2-2019
甲醛释放量 Formaldehyde Emission Content	mg/kg	≤200	Q/HLSH 103-2023