

Starester®

PBT Resin 1110 HQ

Starester® 1110HQ is a High quality grade polybutylene terephthalate (PBT) base resin, with non-reinforced, medium-high viscosity, which can be used in injection molding.

聚对苯二甲酸丁二醇酯 (Starester® 1110HQ) 高品质级基础树脂, 中高粘度, 未填充, 未增强, 注塑级。

TYPICAL PROPERTIES 典型性能	TYPICAL VALUE 典型值	UNIT 单位	STANDARD 参考标准
PHYSICAL PROPERTIES/物理性能			
Density 密度	1.31±0.02	g/cm ³	ASTM D792
Intrinsic Viscosity 特性粘度	1.100±0.010	dl/g	ASTM D445 ⁽¹⁾
Melting Temperature 熔点	225	°C	ISO 11357, DSC Way
Melt Flow Rate, 235°C/2.16kg 熔体流动速率, 235°C/2.16kg	11.0-18.0	g/10min	ASTM D1238
Melt Flow Rate, 250°C/2.16kg 熔体流动速率, 250°C/2.16kg	15.0-24.0	g/10min	ASTM D1238
CEG(Carboxyl End Groups Content) 端羧基含量	12.0±2.0	meq/kg	Potentiometric Titration 电位滴定法
Color b 色泽b值	≤5.0	Hunter Lab photometer	(D65,10°)
Color L 色泽L值	≥90.0		(D65,10°)
Ash Content 灰分	≤0.035	%	ASTM D5630-06
Moisture Content (Before Shipment) 含水率 (出厂前)	≤0.30	%	ASTM D570
Chip Powder Content 切粉量	≤50.0	PPM	GB T9345.1-2008
VOC(Volatile Oligomer Content) 挥发性低分子聚合物含量	≤1.20	%	Heat Weight Loss in Melting State ⁽²⁾ 熔体重量热损失法
Chip Size 百粒重	2.0±0.2	g	Bluestar Internal Standard 蓝星企业内控标准
MECHANICAL PROPERTIES/机械性能			
Tensile Strength (50mm/min) 拉伸强度 (50mm/min)	50-60	MPa	ASTM D638
Tensile Elongation 断裂伸长率	≥180	%	ASTM D638
Flexible Strength 弯曲强度	≥75	MPa	ASTM D790
Flexural Modulus, 2mm/min 弯曲弹性模量, 2mm/min	≥2000	MPa	ASTM D790
Izod Impact, notched, 23°C 悬臂梁缺口冲击, 23°C	≥4.0	KJ/M ²	ASTM D256
THERMAL PROPERTIES/热性能			
HDT, 1.80MPa, 3.2mm 热变形温度, 1.80MPa, 3.2mm	55	°C	ASTM D648
PACKAGE STYLE & QUANTITY/ 包装形式和数量			
■ Common FIBC Bag-900KG 普通太空包集装袋包装-900公斤	■ Kraft Paper Bag-25KG 纸塑复合袋[双层普通纸塑]-25公斤		
□ Common FIBC Bag-1000KG 普通太空包集装袋包装-1000公斤	□ Kraft Paper Bag-25KG 纸塑复合袋[三层纯木浆纸]-25公斤		
□ Vacuum FIBC Bag [Aluminum Foil]-1000KG 铝箔真空集装袋包装-1000公斤	□ Aluminum Foil Vacuum Bag-25KG 铝箔复合袋-25公斤		
■ Fast Container Transportation -22500KG 快速集装箱-22500公斤	■ Automatic Palleting and Wrapping 小包全自动打托缠膜-25公斤		

(1) Test Condition: Intrinsic Viscosity is analyzed by Phenol/Tetrachloroethane=1:1 solvent in 25°C

特性粘度测试条件: 25°C, 溶剂苯酚/四氯乙烷= 1:1

(2) Bluestar Internal Standard 采用蓝星企业内控标准

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All figures in the table are the typical values of the material and not the minimum values of the material specifications.

以上表格中的所有数值均为典型值, 非标准值。

All data shown here are not always applicable to parts used under different conditions. We do not guarantee that these data are directly applicable to the application conditions of users and we ask each user to make his own decision on the application.

以上数据可能会因为条件不同而不同, 我们无法保证以上数据对应于客户所使用的条件, 建议客户使用时注意此项。

For safe handling of materials we supply, it is advised to refer to the Material Safety Data Sheet "MSDS" of the proper material.

我们所供材料的安全使用方面, 请适当参阅材料安全数据表"MSDS"。

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