

Borealis PE MG7547B

高密度聚乙烯

Borealis AG

Technical Data

Product Description

MG7547B is a high-density polyethylene produced by a low pressure process. This grade has an excellent impact strength and low distortion even at low temperatures. It also contains UV-stabilizer, which makes this grade especially suited for outdoor applications.

General

Additive	• 紫外线稳定剂	
Features	• 低翘曲性 • 抗紫外线性能良好	• 良好抗撞击性 • 韧性良好
Uses	• 废物容器 • 容器	• 室外应用 • 装货箱
Forms	• 粒子	
Processing Method	• 注射成型	

Physical	额定值 单位制	测试方法
Density	0.954 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0 g/10 min	ISO 1133
Molding Shrinkage	1.0 到 2.0 %	No Standard

Mechanical	额定值 单位制	测试方法
Tensile Modulus (注塑)	950 MPa	ISO 527-2/1
Tensile Stress (屈服, 注塑)	24.0 MPa	ISO 527-2/50
Tensile Strain (屈服, 注塑)	10 %	ISO 527-2/50

Impact	额定值 单位制	测试方法
Charpy Notched Impact Strength		ISO 179/1eA
-20°C	7.0 kJ/m ²	
23°C	11 kJ/m ²	

Hardness	额定值 单位制	测试方法
Shore Hardness (邵氏 D)	61	ISO 868

Thermal	额定值 单位制	测试方法
Heat Deflection Temperature ³ (0.45 MPa, 未退火)	71.0 °C	ISO 75-2/B

Injection	额定值 单位制
Processing (Melt) Temp	210 到 275 °C
Mold Temperature	10 到 40 °C
Injection Rate	快速

Injection Notes

Holding pressure: As low as possible