

Braskem PE GP 100OR

高密度聚乙烯

Braskem

产品说明

The GP 100 OR is a High Density Polyethylene compounding with high molar mass, specially developed for the manufacturing of extruded pipes for gas pressurized line. This resin is produced with bimodal technology, it has excellent mechanical properties and very high resistance to internal pressure. This resin has MRS (Minimum Required Strength) of 10 MPa according to ISO 9080, and is classified as PE 100 according to ISO 12162. GP 100 OR is manufactured in orange color and it contains additives that protect it against the action of ultraviolet radiation.

Meets the requirements of NBR 14462:00.

Application:

Orange PE 100 pressure pipes for gas distribution; jacketing of underwater cables

供应商联系方式

上海松翰塑化科技有限公司

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基本信息

| | | | |
|------|------------------|-----------------|----------|
| 添加剂 | 紫外线稳定剂 | | |
| 特性 | 高 ESCR(抗应力开裂) | 高分子量 | 抗紫外线性能良好 |
| 用途 | 管道系统 | 天然气输配 | |
| 机构评级 | ISO 12162 PE 100 | ISO 9080 PE 100 | |
| 外观 | 橙色 | | |
| 形式 | 粒子 | | |
| 加工方法 | 管路挤出成型 | 挤出 | |

| 物理性能 | 额定值 | 单位制 | 测试方法 |
|---|--------|-------------------|-------------------------|
| 比重 | 0.950 | g/cm ³ | ASTM D792 |
| 熔流率(熔体流动速率) (190°C/5.0 kg) | 0.22 | g/10 min | ASTM D1238 |
| 抗环境应力开裂 (50°C, 2.00 mm, 100% Igepal, 模压成型, F50) | > 1000 | hr | ASTM D1693 |
| 硬度 | 额定值 | 单位制 | 测试方法 |
| 肖氏硬度 (邵氏 D, 模压成型) | 64 | | ASTM D2240 |
| 机械性能 | 额定值 | 单位制 | 测试方法 |
| 抗张强度 | | | ASTM D638 |
| 屈服, 模压成型 | 24.0 | MPa | ASTM D638 |
| 断裂, 模压成型 | 36.0 | MPa | ASTM D638 |
| 伸长率 | | | ASTM D638 |
| 屈服, 模压成型 | 8.1 | % | ASTM D638 |
| 断裂, 模压成型 | 770 | % | ASTM D638 |
| 弯曲模量 - 1% 正割 (模压成型) | 1240 | MPa | ASTM D790 |
| 冲击性能 | 额定值 | 单位制 | 测试方法 |
| 悬臂梁缺口冲击强度 (模压成型) | 350 | J/m | ASTM D256 |
| 热性能 | 额定值 | 单位制 | 测试方法 |
| 载荷下热变形温度 (0.45 MPa, 未退火, 模压成型) | 72.0 | °C | ASTM D648 |
| 维卡软化温度 | 126 | °C | ASTM D1525 ¹ |

备注

