

DuPont Elvaloy® 1218 AC Ethylene and 18% Methyl Acrylate Copolymer

Polymer,Film,Thermoplastic,Ethylene Methyl Acrylate,Ethylene-Methyl Acrylate Copolymer, Molding Grade

DuPont Packaging and Industrial Polymers

产品说明

Elvaloy® 1218 AC is intended for coextrusion, compounding and injection molding. Elvaloy® 1218 AC has good adhesion to various substrates (OPA, OPP, paperboard, etc.), gives excellent sealing properties and has high filler acceptance.Elvaloy® 1218 AC is easily processed on standard equipment used for low-density polyethylene.Information provided by DuPont.

| 物理性能 | 额定值 (公制) | 额定值 (英制) | 测试方法 |
|---------------------|--|--|--|
| 密度 | 0.940 g/cc | 0.0340 lb/in³ | ASTM D792 - ISO 1183 |
| 熔体流动速率 | 2.0 g/10 min @ Load 2.16 kg, Temperature 190 °C | 2.0 g/10 min @ Load 4.76 lb, Temperature 374 °F | ASTM D1238 - ISO 1133 |
| 机械性能 | 额定值 (公制) | 额定值 (英制) | 测试方法 |
| 肖氏硬度 (邵氏 A) | 89 | 89 | ASTM D2240 - ISO 868 |
| 肖氏硬度 (邵氏 D) | 35 | 35 | ASTM D2240 - ISO 868 |
| 抗张强度(断裂) | 13.0 MPa | 1890 psi | 500 mm/min; ASTM D638 - ISO 527-2 |
| 伸长率 (断裂) | 600 % | 600 % | 500 mm/min; ASTM D638 - ISO 527-2 |
| 拉伸模量 | 0.0450 GPa | 6.53 ksi | 1 mm/min; ASTM D638 - ISO 527-2 |
| 热性能 | 额定值 (公制) | 额定值 (英制) | 测试方法 |
| 熔融温度 | 94.0 °C | 201 °F | By DSC; ASTM D3418 - ISO 3146 |
| 维卡软化温度 | 60.0 °C | 140 °F | A₅₀ (10N); ASTM D1525 - ISO 306 |
| 加工性能 | 额定值 (公制) | 额定值 (英制) | 测试方法 |
| 料筒后部温度 | 150 °C | 302 °F | Extrusion lamination and extrusion coating |
| | 150 °C | 302 °F | Cast film |
| | 150 °C | 302 °F | Blown film |
| 料筒中部温度 | 160 °C | 320 °F | Blown film |
| | 210 °C | 410 °F | Cast film |
| | 220 °C | 428 °F | Extrusion lamination |
| 料筒前部温度 | 170 °C | 338 °F | Blown film |
| | 250 °C | 482 °F | Cast film |
| | 290 °C | 554 °F | Extrusion lamination |
| Adapter Temperature | 180 °C | 356 °F | Blown film |
| | 250 °C | 482 °F | Cast Film |
| | 290 °C | 554 °F | Extrusion lamination |
| 模具温度 | 180 °C | 356 °F | Blown film |
| | 250 °C | 482 °F | Cast film |
| | 290 °C | 554 °F | Extrusion lamination |
| 材料描述 | | | 测试方法 |
| MA-Content | 18 wt.% | | DuPont Method |