

共聚甲醛 ACETAL COPOLYMER (POM)

特性 Features

標準流動性 Standard-flow
模垢較 FM090 更低
Less mold deposit than FM090

用途 Applications

扣具按扣 Buttons and press-in fasteners
管件及五金 Plumbing and hardware
家庭電器 Household appliances
其他射出零件 Other injection parts
齒輪 Gears
電子零件 Electronic arts
汽車零件 Automotive parts
軸承 Bearing

物性 Typical Properties

| 項目 Properties | 檢驗方法 Test Method | 單位 Unit | 數值 Typical Value |
|---|---------------------|-----------------------|---------------------|
| 熔融指數 Melt Index | ISO 1133 | g/10min | 9 |
| 密度 Density | ISO 1183 | g/cm ³ | 1.41 |
| 硬度 Rockwell Hardness | ISO 2039-2 | M | 80 |
| 抗折強度 Flexural Strength | ISO 178 | MPa | 88 |
| 抗折彈性係數 Flexural Modulus | ISO 178 | MPa | 2500 |
| 拉伸強度 (降伏點) Tensile Strength (at yield point) | ISO 527-2/1A | MPa | 62 |
| 延伸率 (斷裂點) Tensile Elongation (at break point) | ISO 527-2/1A | % | 35 |
| 簡支梁缺口衝擊強度 Charpy Impact Strength (notched) | ISO 179-1, 179-2 | KJ/m ² | 6.5 |
| 懸臂梁缺口衝擊強度 Izod Impact Strength (notched) | ISO 180/1A | KJ/m ² | 6.5 |
| 吸水率 Water Absorption(23°C,50%RH) | ISO 62 | % | 0.2 |
| 阻燃性 Flammability | UL94 | | HB |
| 成型收縮率 (3mm ^t ,4in 圓盤) Mold Shrinkage (3mm ^t ,4in disk) | | % | 1.8-2.2 |
| 熱變形溫度 Heat Deflection Temperature 1.80 MPa | ISO 75-1,-2 | °C | 103 |
| 線膨脹係數 Linear Expansion Factor | ISO 11359-2 | x10 ⁻⁵ /°C | 12 |
| 熔點 Melting Point | ISO 11357-3 | °C | 165 |
| 體積電阻率 Volume Resistivity | IEC 60093 | Ω.cm | 1x10 ¹⁴ |
| 表面電阻率 Surface Resistivity | IEC 60093 | Ω | 1x10 ¹⁶ |
| 絕緣強度 (2mm) Dielectric Breakdown Strength (2mm) | IEC60243-1 | kV/mm | 19 |

※本表數據為依上列檢驗方法測得之參考值，僅供客戶選擇品別用途之參考

Note: The details given in this data sheet are our standard value but not specification guaranteed.

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