

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