

ACETAL COPOLYMER (POM)

| Features | Applications | |
|--------------------|--------------------------------|------------------|
| Standard toughness | Buttons and press-in fasteners | Gears |
| Minimal mold | Plumbing and hardware | Electronic arts |
| | Household appliances | Automotive parts |
| | Other injection parts | Bearing |

| Typical Properties | | | |
|---|------------------|-----------------------|--------------------|
| Properties | Test Method | Unit | Typical Value |
| Melt Index | ISO 1133 | g/10min | 6 |
| Density | ISO 1183 | g/cm ³ | 1.41 |
| Rockwell Hardness | ISO 2039-2 | M | 80 |
| Flexural Strength | ISO 178 | MPa | 86 |
| Flexural Modulus | ISO 178 | MPa | 2450 |
| Tensile Strength (at yield point) | ISO 527-2/1A | MPa | 62 |
| Tensile Elongation (at break point) | ISO 527-2/1A | % | 38 |
| Charpy Impact Strength (notched) | ISO 179-1, 179-2 | KJ/m ² | 7 |
| Water Absorption(23°C,50%RH) | ISO 62 | % | 0.2 |
| Flammability | UL94 | | HB |
| Mold Shrinkage (3mm ^t ,4in disk) | | % | 1.8-2.2 |
| Heat Deflection Temperature 1.80 MPa | ISO 75-1,-2 | °C | 103 |
| Linear Expansion Factor | ISO 11359-2 | x10 ⁻⁵ /°C | 12 |
| Melting Point | ISO 11357-3 | °C | 165 |
| Volume Resistivity | IEC 60093 | Ω.cm | 1x10 ¹⁴ |
| Surface Resistivity | IEC 60093 | Ω | 1x10 ¹⁶ |
| Dielectric Breakdown Strength (2mm) | IEC60243-1 | kV/mm | 19 |

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

FORMOSA PLASTICS CORPORATION

Customer Service TEL:+886-2-27122211 ext: 6137 FAX:+886-2-27181230
 Technical Consult TEL:+886-7-6419911 ext.316/353 FAX:+886-7-6425581

