

## ACETAL COPOLYMER (POM)

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

| Typical Properties                          |                  |                       |                    |
|---------------------------------------------|------------------|-----------------------|--------------------|
| Properties                                  | Test Method      | Unit                  | Typical Value      |
| Melt Index                                  | ISO 1133         | g/10min               | 13                 |
| Density                                     | ISO 1183         | g/cm <sup>3</sup>     | 1.41               |
| Rockwell Hardness                           | ISO 2039-2       | M                     | 80                 |
| Flexural Strength                           | ISO 178          | MPa                   | 88                 |
| Flexural Modulus                            | ISO 178          | MPa                   | 2500               |
| Tensile Strength (at yield point)           | ISO 527-2/1A     | MPa                   | 62                 |
| Tensile Elongation (at break point)         | ISO 527-2/1A     | %                     | 35                 |
| Charpy Impact Strength (notched)            | ISO 179-1, 179-2 | KJ/m <sup>2</sup>     | 6                  |
| Izod Impact Strength (notched)              | ISO 180/1A       | KJ/m <sup>2</sup>     | 6                  |
| Water Absorption(23°C,50%RH)                | ISO 62           | %                     | 0.2                |
| Flammability                                | UL94             |                       | HB                 |
| Mold Shrinkage (3mm <sup>t</sup> ,4in disk) |                  | %                     | 1.8-2.2            |
| Heat Deflection Temperature 1.80 MPa        | ISO 75-1,-2      | °C                    | 102                |
| Linear Expansion Factor                     | ISO 11359-2      | x10 <sup>-5</sup> /°C | 11                 |
| Melting Point                               | ISO 11357-3      | °C                    | 165                |
| Volume Resistivity                          | IEC 60093        | Ω.cm                  | 1x10 <sup>14</sup> |
| Surface Resistivity                         | IEC 60093        | Ω                     | 1x10 <sup>16</sup> |
| 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:+886-7-3711411 ext.8537 FAX:+886-7-3713808



Formosa Plastics Corporation