

DURACO (POM) M90-44

Description

POM (Polyoxymethylene also known as acetal) is characterized by its high strength, hardness, and rigidity. Typical applications for molded POM include high performance engineering components such as small gear wheels, fasteners, lock systems and automotive parts.

| Specification | Measurement Method | Measurement Condition | Unit | Microwave Parts Measured Result |
|---|----------------------------|-----------------------|------|---------------------------------|
| Tensile Strength | ISO 527 (JIS K7161) | - | MPa | 55 |
| Flexural Strength | ISO 178 (JIS K7171) | - | MPa | 79 |
| Flexural Modulus | ISO 178 (JIS K7171) | - | MPa | 2400 |
| Impact Strength, Charpy (With Notch) | ISO 179/1eA (JIS K7111) | 23°C | kJ/□ | - |
| Rockwell Hardness | ISO 2039 (JIS K7202-2) | - | - | M78 |
| Heat Deflection Temperature Under Load | ISO 75 (JIS K7191-1,2) | 1.8MPa | °C | - |

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