



**Product Data Sheet &
General Processing Conditions**

**ZOVGOV® M26G4FR
Polyethylene Terephthalate (PET)
Glass Fiber
Flame Retardant
Halogen Free**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

| PERMANENCE | English | SI Metric | ASTM TEST |
|--|-----------------------|------------------|------------------|
| Primary Additive | 20 % | 20 % | |
| Specific Gravity | 1.49 | 1.49 | D 792 |
| Molding Shrinkage 1/8 in (3.2 mm) section | 0.0020 - 0.0040 in/in | 0.20 - 0.40 % | D 955 |

MECHANICAL

| | | | |
|--|----------------------------|-------------|--------|
| Impact Strength, Izod notched 1/8 in (3.2 mm) section | 1.4 ft-lbs/in | 75 J/m | D 256 |
| unnotched 1/8 in (3.2 mm) section | 4.8 ft-lbs/in | 256 J/m | D 4812 |
| Tensile Strength | 11400 psi | 79 MPa | D 638 |
| Tensile Elongation | 1.2 - 1.5 % | 1.2 - 1.5 % | D 638 |
| Tensile Modulus | 1.37 x 10 ⁶ psi | 9446 MPa | D 638 |
| Flexural Strength | 17400 psi | 120 MPa | D 790 |
| Flexural Modulus | 1.25 x 10 ⁶ psi | 8619 MPa | D 790 |

THERMAL

| | | | |
|--|---------------|--------------|--------|
| Ignition Resistance* Flammability** | V-0 @ 1/32 in | V-0 @ 0.8 mm | D 3801 |
|--|---------------|--------------|--------|

PROPERTY NOTES

Data herein is typical and not to be construed as specifications.

Unless otherwise specified, all data listed is for natural or black colored materials. Pigments can affect properties.

* This rating is not intended to reflect hazards of this or any other material under actual fire conditions.

** Values per MOLAN Company testing.

GENERAL PROCESSING FOR INJECTION MOLDING

| | English | SI Metric |
|------------------|----------------|------------------|
| Mold Temperature | 275 - 300 °F | 135 - 149 °C |
| Drying | 4 hrs @ 250 °F | 4 hrs @ 121 °C |
| Moisture Content | 0.01 % | 0.01 % |
| Dew Point | -40 °F | -40 °C |

PROCESSING NOTES

Desiccant Type Dryer Required.