



**Product Data Sheet &
General Processing Conditions**

**ZOVGOV® M24FR
Nylon 4/6 (PA)
Unreinforced
Flame Retardant
Heat Stabilized**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.48	1.48	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0140 - 0.0180 in/in	1.40 - 1.80 %	D 955
MECHANICAL			
Impact Strength, Izod notched 1/8 in (3.2 mm) section	0.5 ft-lbs/in	27 J/m	D 256
unnotched 1/8 in (3.2 mm) section	10.0 ft-lbs/in	534 J/m	D 4812
Tensile Strength	11000 psi	76 MPa	D 638
Tensile Elongation	3.0 - 5.0 %	3.0 - 5.0 %	D 638
Tensile Modulus	0.40 x 10 ⁶ psi	2758 MPa	D 638
Flexural Strength	20000 psi	138 MPa	D 790
Flexural Modulus	0.50 x 10 ⁶ psi	3448 MPa	D 790
ELECTRICAL			
Volume Resistivity	> 1E14 ohm.cm	> 1E14 ohm.cm	D 257
THERMAL			
Deflection Temperature @ 264 psi (1820 kPa)	300 °F	149 °C	D 648
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
Injection Pressure	10000 - 15000 psi	69 - 103 MPa
Melt Temperature	560 - 620 °F	293 - 327 °C
Mold Temperature	175 - 300 °F	79 - 149 °C
Drying	4 hrs @ 250 °F	4 hrs @ 121 °C
Moisture Content	0.05 %	0.05 %
Dew Point	-40 °F	-40 °C

PROCESSING NOTES

Desiccant Type Dryer Required.