



Product Data Sheet & General Processing Conditions

ZOVGOV® M32G6 Polyphthalamide (PPA) Glass Fiber

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Primary Additive	30 %	30 %	
Specific Gravity	1.44	1.44	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	1.5 ft-lbs/in	80 J/m	D 256
unnotched 1/8 in (3.2 mm) section	12.5 ft-lbs/in	667 J/m	D 4812
Tensile Strength	28000 psi	193 MPa	D 638
Tensile Elongation	1.5 - 3.0 %	1.5 - 3.0 %	D 638
Tensile Modulus	1.65 x 10 ⁶ psi	11377 MPa	D 638
Flexural Strength	39000 psi	269 MPa	D 790
Flexural Modulus	1.50 x 10 ⁶ psi	10342 MPa	D 790

ELECTRICAL

Volume Resistivity	> 1E14 ohm.cm	> 1E14 ohm.cm	D 257
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THERMAL

Deflection Temperature @ 264 psi (1820 kPa)	> 500 °F	> 260 °C	D 648
Ignition Resistance* Flammability**	HB @ 1/16 in	HB @ 1.5 mm	D 635

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 - 18000 psi	69 - 124 MPa
Melt Temperature	575 - 625 °F	302 - 329 °C
Mold Temperature	275 - 325 °F	135 - 163 °C
Drying	4 - 6 hrs @ 225 °F	4 - 6 hrs @ 107 °C
Moisture Content	0.05 %	0.05 %
Dew Point	-25 °F	-32 °C

PROCESSING NOTES

Desiccant Type Dryer Required.