



**Product Data Sheet &
General Processing Conditions**

**ZOVGOV® M21UV
Polycarbonate (PC)
UV Stabilized**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.20	1.20	D 792
Melt Flow Rate @ 300 °C, / 1.2 kg	9.00 - 10.00 g/10 min	9.00 - 10.00 g/10 min	D 1238
Molding Shrinkage 1/8 in (3.2 mm) section	0.0060 - 0.0090 in/in	0.60 - 0.90 %	D 955

MECHANICAL

Impact Strength, Izod notched 1/8 in (3.2 mm) section	14.7 ft-lbs/in	785 J/m	D 256
unnotched 1/8 in (3.2 mm) section	31.0 ft-lbs/in	1655 J/m	D 4812
Tensile Strength	9000 psi	62 MPa	D 638
Tensile Elongation	> 10.0 %	> 10.0 %	D 638
Tensile Modulus	0.32 x 10 ⁶ psi	2206 MPa	D 638
Flexural Strength	13250 psi	91 MPa	D 790
Flexural Modulus	0.36 x 10 ⁶ psi	2482 MPa	D 790

THERMAL

Ignition Resistance* Flammability**	HB @ 1/16 in	HB @ 1.5 mm	D 635
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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	550 - 600 °F	288 - 316 °C
Mold Temperature	180 - 250 °F	82 - 121 °C
Drying	4 hrs @ 250 °F	4 hrs @ 121 °C
Moisture Content	0.02 %	0.02 %
Dew Point	-20 °F	-29 °C

PROCESSING NOTES

Desiccant Type Dryer Required.

This information is intended to be used only as a guideline for designers and processors of modified thermoplastics. Because design and processing is complex, a set solution will not solve all problems. Observation on a "trial and error" basis may be required to achieve desired results.