



**Product Data Sheet &
General Processing Conditions**

**RTP 699 X 94678 SSC-63386
Acrylonitrile Butadiene Styrene (ABS)
Phosphorescent Green**

This material passes Mitsubishi and Toyota Glow Material Specifications for trunk latch release levers.

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.17	1.17	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0030 - 0.0080 in/in	0.30 - 0.80 %	D 955

MECHANICAL

Impact Strength, Izod notched 1/8 in (3.2 mm) section	1.3 ft-lbs/in	69 J/m	D 256
unnotched 1/8 in (3.2 mm) section	6.0 ft-lbs/in	320 J/m	D 4812
Tensile Strength	5700 psi	39 MPa	D 638
Tensile Elongation	10.0 %	10.0 %	D 638
Tensile Modulus	0.30 x 10 ⁶ psi	2068 MPa	D 638
Flexural Strength	10500 psi	72 MPa	D 790
Flexural Modulus	0.33 x 10 ⁶ psi	2275 MPa	D 790

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.

GENERAL PROCESSING FOR INJECTION MOLDING

	English	SI Metric
Injection Pressure	10000 - 15000 psi	69 - 103 MPa
Melt Temperature	400 - 460 °F	204 - 238 °C
Mold Temperature	145 - 185 °F	63 - 85 °C
Drying	2 hrs @ 180 °F	2 hrs @ 82 °C
Moisture Content	0.10 %	0.10 %
Dew Point	0 °F	-18 °C

PROCESSING NOTES

Desiccant Type Dryer Required.

A thorough barrel and screw clean-up is recommended before molding this material. Clean processing equipment is critical for optimum material phosphorescence.

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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.

Data are obtained from specimens molded under carefully controlled conditions from representative samples of the compound described herein. Properties may be materially affected by molding techniques applied and by the size and shape of the item molded. No assurance can be implied that all molded articles will have the same properties as those listed.

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