



**Product Data Sheet &
General Processing Conditions**

**RTP 2017 FR
Ethylene Alloy
Flame Retardant
UL94 V-0**



PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.30	1.30	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0180 - 0.0240 in/in	1.80 - 2.40 %	D 955

MECHANICAL

Impact Strength, Izod notched 1/8 in (3.2 mm) section	No Break	No Break	D 256
unnotched 1/8 in (3.2 mm) section	No Break	No Break	D 4812
Tensile Strength	1200 psi	8 MPa	D 412
Tensile Elongation	> 1000.0 %	> 1000.0 %	D 412
Flexural Modulus	20000 psi	137.9 MPa	D 790
Hardness			
Shore A, 10 s delay	90	90	D 2240
Shore D, instantaneous	45	45	D 2240

THERMAL

Ignition Resistance*			
Flammability	VTM-0 @ 0.012 in	VTM-0 @ 0.3 mm	UL94
Flammability	V-0 @ 1/16 in	V-0 @ 1.5 mm	UL94

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.

GENERAL PROCESSING FOR INJECTION MOLDING

	English	SI Metric
Injection Pressure	10000 - 15000 psi	69 - 103 MPa
Melt Temperature	340 - 460 °F	171 - 238 °C
Mold Temperature	70 - 120 °F	21 - 49 °C
Drying	2 hrs @ 175 °F	2 hrs @ 79 °C

PROCESSING NOTES

8 Feb 2006 SAC

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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