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**Product Data Sheet &
General Processing Conditions**

**RTP 700 A
Low Density Polyethylene (LDPE)**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	0.92	0.92	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0240 - 0.0310 in/in	2.40 - 3.10 %	D 955

MECHANICAL

Impact Strength, Izod			
notched 1/8 in (3.2 mm) section	6.5 ft-lbs/in	347 J/m	D 256
unnotched 1/8 in (3.2 mm) section	7.0 ft-lbs/in	374 J/m	D 4812
Tensile Strength	1000 psi	7 MPa	D 638
Tensile Elongation	10.0 %	10.0 %	D 638
Tensile Modulus	0.03 x 10 ⁶ psi	207 MPa	D 638
Flexural Strength	800 psi	6 MPa	D 790
Flexural Modulus	0.02 x 10 ⁶ psi	138 MPa	D 790

THERMAL

Ignition Resistance*			
Automotive**	≤ 4.0 in/mi @ 1/8 in	≤ 102 mm/mi @ 3.2 mm	FMVSS 302

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 RTP Company testing.

GENERAL PROCESSING FOR INJECTION MOLDING

	English	SI Metric
Injection Pressure	10000 - 15000 psi	69 - 103 MPa
Melt Temperature	380 - 450 °F	193 - 232 °C
Mold Temperature	70 - 150 °F	21 - 66 °C
Drying	2 hrs @ 175 °F	2 hrs @ 79 °C