



**Product Data Sheet &  
General Processing Conditions**

**RTP 799 A X 123737 C NS  
Low Density Polyethylene (LDPE)**

**PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS**

<b>PERMANENCE</b>	<b>English</b>	<b>SI Metric</b>	<b>ASTM TEST</b>
Specific Gravity	0.89	0.89	D 792
Melt Flow Rate @ 190 °C, / 2.16 kg	30.00 g/10 min	30.00 g/10 min	D 1238

**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**

	<b>English</b>	<b>SI Metric</b>
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

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SECTION III - HAZARDS IDENTIFICATION (cont.)

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EFFECTS OF OVEREXPOSURE: (cont.)  
respiratory tract.  
CHRONIC EFFECTS: None known for this compound.

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SECTION IV - FIRST AID MEASURES

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FIRST AID:  
EYES: Flush with water. Consult physician if symptoms persist.  
SKIN: Wash with soap and water. For thermal burns, immediately  
flush with cold water. Do not attempt to remove polymer  
from skin. Obtain medical attention.  
INHALATION: Leave exposed area and seek fresh air. If  
irritation persists seek medical attention.

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SECTION V - FIREFIGHTING MEASURES

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FLAMMABILITY CLASS: 1 FLASH POINT: None LEL: None UEL: None

EXTINGUISHING MEDIA:  
Water spray and foam. Water spray is preferred.  
Dry chemical and CO2 are not generally recommended due to  
their lack of cooling capacity which may allow re-ignition.

SPECIAL FIREFIGHTING PROCEDURES:  
Persons exposed to products of combustion should wear NIOSH  
approved self contained breathing apparatus and full protective  
equipment.

UNUSUAL FIRE & EXPLOSION HAZARDS:  
This compound has no unusual fire or explosion hazards.

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SECTION VI - ACCIDENTAL RELEASE MEASURES

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:  
Spilled pellets may cause a slipping hazard. Sweep area as  
needed.

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SECTION VII - HANDLING AND STORAGE

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:  
Store in a dry, sprinkler equipped warehouse.  
Product as shipped is not a combustible dust. Mechanical  
(cont.)

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SECTION VII - HANDLING AND STORAGE (cont.)

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: (cont.)  
handling can cause the formation of dusts. To reduce  
the risk for dust explosion do not permit dust to  
accumulate.

OTHER PRECAUTIONS:

Proper purging and shut down procedures should be followed to  
avoid overheating of this compound.

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SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

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RESPIRATORY PROTECTION:

A NIOSH approved respirator is recommended for protection  
against processing fumes, or from dust generated from  
grinding, sanding, or sawing operations.

VENTILATION:

Local exhaust is preferred.

PROTECTIVE GLOVES:

Canvas or cotton gloves are recommended.

EYE PROTECTION:

Safety glasses with side shields are recommended.

OTHER PROTECTIVE EQUIPMENT:

None.

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SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

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BOILING RANGE: None

VAPOR DENSITY: Non Volatile

EVAP. RATE: Unavailable

SPECIFIC GRAVITY: 0.91

VOLATILES: volume %: N/AP weight %: N/AP

APPEARANCE: Cylindrical Pellets No Odor

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SECTION X - STABILITY AND REACTIVITY

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STABILITY: ☐ Unstable ☒ Stable

HAZARDOUS POLYMERIZATION: ☐ May Occur ☒ Will Not Occur

INCOMPATIBILITY:

Strong oxidizing agents. May also burn or react violently  
with fluorine/oxygen mixtures that contain 50-100% fluorine.

CONDITIONS TO AVOID:

Avoid temperatures above 325 C (617 F).

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SECTION X - STABILITY AND REACTIVITY (cont.)

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HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide, carbon dioxide, nitrogen oxides, acrolein,  
formaldehyde, olefinic and paraffinic compounds, organic acids,  
ketones, aldehydes, and hydrocarbons.

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SECTION XI - TOXICOLOGICAL INFORMATION

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TOXICITY DATA:

No specific toxicological information is available.

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SECTION XII - ECOLOGICAL INFORMATION

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ECOTOXICITY:

No specific ecological information is available. This material  
is considered to be non-biodegradable.

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SECTION XIII - DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD:

The pellets, regrind, and purge of this material are non-  
hazardous and may be discarded in accordance with state,  
federal, and local regulations.

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SECTION XIV - TRANSPORT INFORMATION

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D.O.T. SHIPPING INFORMATION:

Not regulated under US Department of Transportation.

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SECTION XV - REGULATORY INFORMATION

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SARA TITLE III SECTION 313:

This product contains the following toxic chemicals subject to the  
reporting requirements of section 313 of the Emergency Planning  
and Community Right To Know Act of 1986 and of 40 CFR 372:

NONE

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SECTION XVI - OTHER INFORMATION

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