



**Product Data Sheet &
General Processing Conditions**

**RTP 299 D X 130277 Z
Nylon 6/12 (PA)
Impact Modified
PTFE Lubricated
Silicone Lubricated
FDA Compliant Ingredients
Preliminary Data Sheet**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.11	1.11	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0150 - 0.0250 in/in	1.50 - 2.50 %	D 955
MECHANICAL			
Impact Strength, Izod notched 1/8 in (3.2 mm) section	15.0 ft-lbs/in	801 J/m	D 256
unnotched 1/8 in (3.2 mm) section	No Break	No Break	D 4812
Tensile Strength	5000 psi	34 MPa	D 638
Tensile Elongation	> 10.0 %	> 10.0 %	D 638
Tensile Modulus	0.17 x 10 ⁶ psi	1172 MPa	D 638
Flexural Strength	6000 psi	41 MPa	D 790
Flexural Modulus	0.18 x 10 ⁶ psi	1241 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 - 18000 psi	69 - 124 MPa
Melt Temperature	480 - 545 °F	249 - 285 °C
Mold Temperature	140 - 200 °F	60 - 93 °C
Drying	4 hrs @ 175 °F	4 hrs @ 79 °C
Moisture Content	0.20 %	0.20 %
Dew Point	0 °F	-18 °C

PROCESSING NOTES

Desiccant Type Dryer Required.