



**Product Data Sheet &
General Processing Conditions**

**RTP 3049 Z
Polymethylpentene (PMP)
Mineral Reinforced
FDA Compliant Ingredients**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.01	1.01	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0400 in/in	4.00 %	D 955
MECHANICAL			
Impact Strength, Izod notched 1/8 in (3.2 mm) section	0.5 ft-lbs/in	27 J/m	D 256
unnotched 1/8 in (3.2 mm) section	4.0 ft-lbs/in	214 J/m	D 4812
Tensile Strength	3200 psi	22 MPa	D 638
Tensile Elongation	6.0 - 10.0 %	6.0 - 10.0 %	D 638
Tensile Modulus	0.45 x 10 ⁶ psi	3103 MPa	D 638
Flexural Strength	6000 psi	41 MPa	D 790
Flexural Modulus	0.38 x 10 ⁶ psi	2620 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	510 - 580 °F	266 - 304 °C
Mold Temperature	150 - 200 °F	66 - 93 °C
Drying	2 hrs @ 175 °F	2 hrs @ 79 °C