



**Product Data Sheet &
General Processing Conditions**

**RTP 199 X 118048 (20%)
Polypropylene (PP)
60% Long Glass Fiber Concentrate
Chemically Coupled
Heat Stabilized**

Properties represent the 60% concentrate blended down to 20% glass loading using a 35 MFI Homopolymer PP. Properties may vary depending on the unfilled polypropylene selected.

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.04	1.04	D 792
Molding Shrinkage			
1/8 in (3.2 mm) section	0.0010 - 0.0030 in/in	0.10 - 0.30 %	D 955

MECHANICAL

Impact Strength, Izod			
notched 1/8 in (3.2 mm) section	2.5 ft-lbs/in	133 J/m	D 256
unnotched 1/8 in (3.2 mm) section	13.0 ft-lbs/in	694 J/m	D 4812
Tensile Strength	12000 psi	83 MPa	D 638
Tensile Elongation	2.0 - 3.0 %	2.0 - 3.0 %	D 638
Tensile Modulus	0.65 x 10 ⁶ psi	4482 MPa	D 638
Flexural Strength	19000 psi	131 MPa	D 790
Flexural Modulus	0.65 x 10 ⁶ psi	4482 MPa	D 790

THERMAL

Deflection Temperature			
@ 264 psi (1820 kPa)	310 °F	154 °C	D 648

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	375 - 450 °F	191 - 232 °C
Mold Temperature	90 - 150 °F	32 - 66 °C
Drying	2 hrs @ 175 °F	2 hrs @ 79 °C
