Product Data Sheet &
General Processing Conditions

RTP 103 White Polypropylene (PP) Glass Fiber NSF®

RTP 103 White is certified under NSF® International Standard 14, compliant with Standard 61.

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Primary Additive	20 %	20 %	
Specific Gravity	1.04	1.04	D 792
Melt Flow Rate			
@ 230 °C, / 2.16 kg	3.00 - 3.00 g/10 min	3.00 - 3.00 g/10 min	D 1238
Molding Shrinkage			
1/8 in (3.2 mm) section	0.0020 - 0.0050 in/in	0.20 - 0.50 %	D 955
MECHANICAL			
Impact Strength, Izod			
notched 1/8 in (3.2 mm) section	0.9 ft-lbs/in	48 J/m	D 256
unnotched 1/8 in (3.2 mm) section	6.0 ft-lbs/in	320 J/m	D 4812
Tensile Strength	6400 psi	44 MPa	D 638
Tensile Elongation	4.0 - 5.0 %	4.0 - 5.0 %	D 638
Tensile Modulus	0.50 x 10^6 psi	3448 MPa	D 638
Flexural Strength	10500 psi	72 MPa	D 790
Flexural Modulus	0.45 x 10^6 psi	3103 MPa	D 790
THERMAL			
Ignition Resistance*			
Flammability**	HB @ 1/16 in	HB @ 1.5 mm	D 635

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

PROCESSING NOTES

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RTP COMPANY • 580 EAST FRONT STREET • WINONA, MN 55987 • 507-454-6900