Product Data Sheet &
General Processing Conditions

RTP 507 HB
Styrene Acrylonitrile (SAN)
Glass Fiber
UL94 HB

The RTP 500 series offers improved strengths over the base resin. This series has an excellent balance of properties and is one of the most cost effective RTP Company series.

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Primary Additive	40 %	40 %	
Specific Gravity	1.40	1.40	D 792
Molding Shrinkage			
1/8 in (3.2 mm) section	0.0005 - 0.0015 in/in	0.05 - 0.15 %	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	4.0 ft-lbs/in	214 J/m	D 4812
Tensile Strength	18000 psi	124 MPa	D 638
Tensile Elongation	1.0 - 2.0 %	1.0 - 2.0 %	D 638
Tensile Modulus	1.90 x 10^6 psi	13100 MPa	D 638
Flexural Strength	25000 psi	172 MPa	D 790
Flexural Modulus	1.80 x 10^6 psi	12411 MPa	D 790
Hardness			
Rockwell, R	123	123	D 785
THERMAL			
Ignition Resistance*			
Flammability	HB @ 1/16 in	HB @ 1.5 mm	UL94

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.

GENERAL PROCESSING FOR INJECTION MOLDING

	English	SI Metric
Injection Pressure	10000 - 15000 psi	69 - 103 MPa
Melt Temperature	460 - 535 °F	238 - 279 °C
Mold Temperature	125 - 180 °F	52 - 82 °C
Drying	2 hrs @ 180 °F	2 hrs @ 82 °C

PROCESSING NOTES

Desiccant Type Dryer Required.

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Properties may be materially affected by molding techniques applied and by the size and shape of the item molded. No assurance can be implied that all molded articles will have the same properties as those listed.

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