



Product Data Sheet & General Processing Conditions

RTP 4999 X 157324 B
Thermoplastic Polyolefin (TPO)
Heat Stabilized
Impact Modified
UV Stabilized
Scratch Resistant
Preliminary Datasheet

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE		STANDARD
Density	1.05 g/cm ³	ISO 1183
Melt Flow Rate @ 230 °C, / 2.16 kg	27.00 g/10 min	ISO 1133

MECHANICAL		
Impact Strength, Charpy Notched, 4 mm thickness	31 kJ/m ²	ISO 179/1eA
Tensile Strength Type 1A 4mm, 50 mm/min	21 MPa	ISO 527
Tensile Modulus	2200 MPa	ISO 527
Flexural Modulus	2100 MPa	ISO 178

THERMAL		
Heat Deflection Temperature @ 1.80 MPa	62 °C	ISO 75
@ 0.45 MPa	112 °C	ISO 75
Ignition Resistance* Automotive**	≤ 100 mm/mi @ 2.5 mm	ISO 3795

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

Injection Pressure	70 - 105 MPa
Injection Pressure	680 - 1030 bar
Melt Temperature	190 - 230 °C
Mold Temperature	40 - 80 °C
Moisture Content	< 0.10 %

PROCESSING NOTES

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This information is intended to be used only as a guideline for designers and processors of modified thermoplastics. Because design and processing is complex, a set solution will not solve all problems. Observation on a "trial and error" basis may be required to achieve desired results.

Data are obtained from specimens molded under carefully controlled conditions from representative samples of the compound described herein. 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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