



**Product Data Sheet &
General Processing Conditions**

**RTP 4900-0818 UV
Thermoplastic Polyolefin (TPO)
Unfilled
UV Stabilized
Preliminary Datasheet**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE		STANDARD
Density	0.90 g/cm ³	ISO 1183
Melt Flow Rate @ 230 °C, / 2.16 kg	18.00 - 22.00 g/10 min	ISO 1133
Shrinkage, 4 mm Thickness Flow direction	1.20 - 1.60 %	ASTM D 955

MECHANICAL		
Impact Strength, Izod Notched, 4 mm thickness	50 kJ/m ²	ISO 180/1A
Unnotched, 4 mm thickness	No Break	ISO 180/1U
Impact Strength, Charpy Notched, 4 mm thickness	51 kJ/m ²	ISO 179/1eA
Unnotched, 4 mm thickness	No Break	ISO 179/1eU
Tensile Strength	17 MPa	ISO 527
Tensile Elongation	> 300.0 %	ISO 527
Tensile Modulus	900 MPa	ISO 527
Flexural Strength	22 MPa	ISO 178
Flexural Modulus	830 MPa	ISO 178

THERMAL		
Heat Deflection Temperature @ 1.80 MPa	52 °C	ISO 75
Ignition Resistance* Flammability**	HB @ 1.5 mm	ISO 1210

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
Melt Temperature	190 - 230 °C
Mold Temperature	30 - 65 °C
Drying	2 hrs @ 80 °C

PROCESSING NOTES

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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