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Product Data Sheet & General Processing Conditions

RTP 4920-1620 UV Thermoplastic Polyolefin (TPO) Mineral UV Stabilized

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE		STANDARD
Primary Additive	20 %	
Density	1.04 g/cm ³	ISO 1183
Melt Flow Rate		
@ 230 °C, / 2.16 kg	20.00 g/10 min	ISO 1133
Shrinkage, 4 mm Thickness		
Flow direction	0.60 - 1.00 %	ASTM D 955
Transverse direction	1.00 - 1.40 %	ASTM D 955

MECHANICAL

Impact Strength, Izod		
Notched, 4 mm thickness	40 kJ/m ²	ISO 180/1A
Unnotched, 4 mm thickness	No Break	ISO 180/1U
Tensile Strength	18 MPa	ISO 527
Tensile Elongation	> 10.0 %	ISO 527
Tensile Modulus	1700 MPa	ISO 527
Flexural Strength	25 MPa	ISO 178
Flexural Modulus	1600 MPa	ISO 178

THERMAL

Heat Deflection Temperature		
@ 1.80 MPa	55 °C	ISO 75
@ 0.45 MPa	85 °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