

**RamOfin PPC502NT**

PP

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
-------------------------------------	-------	------	---------------

Other Standards <sup>S1</sup>			
-------------------------------	--	--	--

Molding shrinkage, parallel	1.2	%	Producer Method
-----------------------------	-----	---	-----------------

S: These properties are reported by the producer according standards that are different to our defaults.

Mechanical properties	Value	Unit	Test Standard
-----------------------	-------	------	---------------

ISO Data			
----------	--	--	--

Tensile Modulus	1250	MPa	ISO 527
-----------------	------	-----	---------

Tensile Strength	24.5	MPa	ISO 527
------------------	------	-----	---------

Yield strain	5.9	%	ISO 527
--------------	-----	---	---------

Izod notched impact strength, +23°C	6.9	kJ/m <sup>2</sup>	ISO 180/1A
-------------------------------------	-----	-------------------	------------

Thermal properties	Value	Unit	Test Standard
--------------------	-------	------	---------------

ISO Data			
----------	--	--	--

Burning behav. at 1.5 mm nom. thickn.	V-2	class	IEC 60695-11-10
---------------------------------------	-----	-------	-----------------

Thickness tested	1.6	mm	-
------------------	-----	----	---

Burning behav. at thickness h	V-2	class	IEC 60695-11-10
-------------------------------	-----	-------	-----------------

Thickness tested	0.8	mm	-
------------------	-----	----	---

Other properties	Value	Unit	Test Standard
------------------	-------	------	---------------

Density	910	kg/m <sup>3</sup>	ISO 1183
---------	-----	-------------------	----------

Processing Recommendation Injection Molding	Value	Unit	Test Standard
---	-------	------	---------------

Pre-drying - Temperature	80	°C	-
--------------------------	----	----	---

Pre-drying - Time	2 - 4	h	-
-------------------	-------	---	---

Processing humidity	≤0.1	%	-
---------------------	------	---	---

Mold temperature	30 - 70	°C	-
------------------	---------	----	---

Feed temperature	60 - 70	°C	-
------------------	---------	----	---

Zone 1	190 - 225	°C	-
--------	-----------	----	---

Zone 2	190 - 225	°C	-
--------	-----------	----	---

Zone 3	190 - 245	°C	-
--------	-----------	----	---

**Characteristics****Processing**

Injection Molding

**Features**

Copolymer

**Delivery form**

Natural Color

**Certifications**

RoHS compliant

**Special Characteristics**

Flame retardant, Halogen-free

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa