

**RamOfin PPC501NT**

PP

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	7.5	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
<b>Other Standards<sup>[S]</sup></b>			
Molding shrinkage, parallel	1.1	%	Producer Method

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

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	1850	MPa	ISO 527
Tensile Strength	20	MPa	ISO 527
Yield strain	3.5	%	ISO 527
Izod notched impact strength, +23°C	3.8	kJ/m <sup>2</sup>	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	85	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	148	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0	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	-
Glow Wire Flammability Index (GWFI)	850	°C	IEC 60695-2-12
GWFI - thickness tested (1)	1.5	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (2)	1.6	mm	-
Glow Wire Ignition Temperature (GWIT)	790	°C	IEC 60695-2-13
GWIT - thickness tested (1)	2	mm	-
<b>ASTM Data</b>			
Vicat Temperature	140	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	1040	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2	h	-
Processing humidity	≤0.1	%	-
Mold temperature	30 - 60	°C	-
Feed temperature	60 - 80	°C	-
Zone 1	180 - 190	°C	-
Zone 2	180 - 200	°C	-
Zone 3	190 - 220	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Natural Color

**Special Characteristics**

Flame retardant, Halogen-free

**Features**

Copolymer

**Regional Availability**

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