

**RamSter PF201NT**

PBT

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	<b>44</b>	g/10min	ISO 1133
Temperature	<b>250</b>	°C	-
Load	<b>2.16</b>	kg	-
<b>Other Standards<sup>[S]</sup></b>			
Molding shrinkage, parallel	<b>1.8</b>	%	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	<b>2800</b>	MPa	ISO 527
Tensile Strength	<b>60</b>	MPa	ISO 527
Yield strain	<b>10</b>	%	ISO 527
Flexural modulus, 23°C	<b>2300</b>	MPa	ISO 178
Flexural strength	<b>90</b>	MPa	ISO 178
Izod notched impact strength, +23°C	<b>4.5</b>	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength	<b>4</b>	kJ/m <sup>2</sup>	ISO 180/1A
Temperature	<b>-30</b>	°C	-

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>50</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>150</b>	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Water absorption	<b>0.6</b>	%	Sim. to ISO 62
Humidity absorption	<b>0.2</b>	%	Sim. to ISO 62
Density	<b>1300</b>	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>120</b>	°C	-
Pre-drying - Time	<b>3 - 4</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Mold temperature	<b>70 - 90</b>	°C	-
Feed temperature	<b>40 - 60</b>	°C	-
Zone 1	<b>235 - 255</b>	°C	-
Zone 2	<b>235 - 255</b>	°C	-
Zone 3	<b>240 - 260</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Natural Color

**Certifications**

Food contact, Food approval 10/2011, Food approval FDA 21 CFR, RoHS compliant

**Applications**

General Purpose

**Regional Availability**

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