

**RamTal PM8103NT-7LE**

POM

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	<b>4</b>	g/10min	ISO 1133
Temperature	<b>190</b>	°C	-
Load	<b>2.16</b>	kg	-
Molding shrinkage, parallel	<b>1.9</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>2.0</b>	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	<b>1700</b>	MPa	ISO 527
Tensile Strength	<b>45</b>	MPa	ISO 527
Yield strain	<b>12</b>	%	ISO 527
Strain at break	<b>30</b>	%	ISO 527
Flexural modulus, 23°C	<b>1600</b>	MPa	ISO 178
Flexural strength	<b>60</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>N</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	<b>N</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>14</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	<b>7.5</b>	kJ/m <sup>2</sup>	ISO 179/1eA

Other properties	Value	Unit	Test Standard
Humidity absorption	<b>0.2</b>	%	Sim. to ISO 62
Density	<b>1360</b>	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>80</b>	°C	-
Pre-drying - Time	<b>2 - 4</b>	h	-
Processing humidity	<b>≤0.15</b>	%	-
Mold temperature	<b>60 - 90</b>	°C	-
Feed temperature	<b>60 - 70</b>	°C	-
Zone 1	<b>170 - 180</b>	°C	-
Zone 2	<b>180 - 190</b>	°C	-
Zone 3	<b>180 - 190</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Natural Color

**Special Characteristics**

High impact or impact modified

**Features**

Low Emission

**Applications**

Automotive

**Regional Availability**

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