

**RamSter PF871G08NT**

PBT-GF8

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>Other Standards<sup>S1</sup></b>			
Molding shrinkage, parallel	0.9	%	Producer Method
Molding shrinkage, normal	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
<b>ISO Data</b>			
Tensile Modulus	3450	MPa	ISO 527
Tensile Strength	64	MPa	ISO 527
Yield strain	3.9	%	ISO 527
Flexural modulus, 23°C	3000	MPa	ISO 178
Flexural strength	100	MPa	ISO 178
Charpy notched impact strength, +23°C	16.5	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	18	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength	7	kJ/m <sup>2</sup>	ISO 180/1A
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	118	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	203	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1290	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.02	%	-
Mold temperature	50 - 80	°C	-
Feed temperature	40 - 60	°C	-
Zone 1	230 - 250	°C	-
Zone 2	240 - 255	°C	-
Zone 3	245 - 260	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Natural Color

**Special Characteristics**

High impact or impact modified, U.V. stabilized or stable to weather

**Regional Availability**

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