

**RamTough PZ400BK10**

(PC+PTFE)

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	8.5	g/10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
<b>Other Standards<sup>[S]</sup></b>			
Molding shrinkage, parallel	0.7	%	Producer Method
Molding shrinkage, normal	0.8	%	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	2400	MPa	ISO 527
Tensile Strength	60	MPa	ISO 527
Yield strain	5.5	%	ISO 527
Flexural modulus, 23°C	2200	MPa	ISO 178
Flexural strength	97	MPa	ISO 178
Izod notched impact strength, +23°C	12	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	115	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	127	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1230	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.02	%	-
Mold temperature	80 - 120	°C	-
Feed temperature	60 - 70	°C	-
Zone 1	230 - 240	°C	-
Zone 2	240 - 260	°C	-
Zone 3	260 - 270	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Black

**Additives**

Lubricants

**Features**

Tribologic Grade

**Certifications**

RoHS compliant

**Regional Availability**

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