

**RamLloy PBB1007BK10-3**

(PC+ABS)

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	16	g/10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
Molding shrinkage, normal	0.3	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	2200	MPa	ISO 527
Tensile Strength	47	MPa	ISO 527
Yield strain	5	%	ISO 527
Strain at break	18	%	ISO 527
Flexural modulus, 23°C	2020	MPa	ISO 178
Flexural strength	78	MPa	ISO 178
Izod notched impact strength, +23°C	45	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Izod Impact notched, 1/8 in	590	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	95	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	115	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1130	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.02	%	-
Mold temperature	50 - 90	°C	-
Feed temperature	60 - 70	°C	-
Zone 1	230 - 240	°C	-
Zone 2	230 - 240	°C	-
Zone 3	240 - 265	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Black

**Certifications**

RoHS compliant

**Regional Availability**

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