

RamLloy PBB503NT
(PC+ABS)

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	22	g/10min	ISO 1133
Temperature	260	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2600	MPa	ISO 527
Tensile Strength	50	MPa	ISO 527
Yield strain	5	%	ISO 527
Izod notched impact strength, +23°C	50	kJ/m ²	ISO 180/1A
ASTM Data			
Izod Impact notched, 1/8 in	700	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	78	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
Burning behav. 5V at thickness h	5VA	class	IEC 60695-11-20
Thickness tested	3.0	mm	-

Other properties	Value	Unit	Test Standard
Humidity absorption	0.4	%	Sim. to ISO 62
Density	1160	kg/m ³	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	220 - 240	°C	-
Zone 2	230 - 240	°C	-
Zone 3	230 - 245	°C	-

Characteristics

Processing

Injection Molding

Special Characteristics

Flame retardant

Delivery form

Natural Color

Certifications

RoHS compliant

Additives

Flame retarding agent

Regional Availability

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