

RamLloy PVB702BK23

(PA6+ABS)

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	22	g/10min	ISO 1133
Temperature	250	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.8	%	ISO 294-4, 2577
Molding shrinkage, normal	0.9	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1860	MPa	ISO 527
Tensile Strength	40	MPa	ISO 527
Yield strain	3.4	%	ISO 527
Stress at break	35	MPa	ISO 527
Strain at break	40	%	ISO 527
Flexural modulus, 23°C	1600	MPa	ISO 178
Flexural strength	56	MPa	ISO 178
Izod notched impact strength, +23°C	63	kJ/m ²	ISO 180/1A
Izod notched impact strength	17.5	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	70	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	90	°C	ISO 75-1/-2
Burning rate, FMVSS, Thickness 1 mm	100	mm/min	ISO 3795 (FMVSS 302)
ASTM Data			
Vicat Temperature	192	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Humidity absorption	1.2	%	Sim. to ISO 62
Density	1040	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	≤0.1	%	-
Mold temperature	60 - 90	°C	-
Feed temperature	60 - 70	°C	-
Zone 1	230 - 260	°C	-
Zone 2	240 - 260	°C	-
Zone 3	240 - 260	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Black

Special Characteristics

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

Certifications

RoHS compliant

Applications

Automotive

Regional Availability

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