

Biolloy KG330

(PLA+ABS)

Techno-UMG Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	43	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Strength	49	MPa	ISO 527
Flexural modulus, 23°C	2950	MPa	ISO 178
Flexural strength	87	MPa	ISO 178
Charpy impact strength, +23°C	17	kJ/m ²	ISO 179/1eU
Rockwell hardness	R 116	-	ISO 2039-2
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	58	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	63	°C	ISO 75-1/-2
Other properties			
Density	1170	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	70	°C	-
Mold temperature	40 - 80	°C	-
Zone 1	190 - 260	°C	-

Characteristics**Processing**

Injection Molding

Applications

IT / Business Machine

Certifications

Contains renewable resources

Regional Availability

North America, Asia Pacific