

**Biolloy KG320**

(PLA+ABS)

Techno-UMG Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	20	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Strength	55	MPa	ISO 527
Flexural modulus, 23°C	2630	MPa	ISO 178
Flexural strength	82	MPa	ISO 178
Charpy impact strength, +23°C	31	kJ/m <sup>2</sup>	ISO 179/1eU
Rockwell hardness	R 116	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	66	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	78	°C	ISO 75-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10

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	75	°C	-
Mold temperature	40 - 80	°C	-
Zone 1	190 - 260	°C	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

High impact or impact modified

**Certifications**

Contains renewable resources

**Applications**

IT / Business Machine

**Regional Availability**

North America, Asia Pacific