

Excelloy TK12G20

(ABS+PBT)-GX20

Techno-UMG Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	40	g/10min	ISO 1133
Temperature	260	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	84	MPa	ISO 527
Flexural modulus, 23°C	5080	MPa	ISO 178
Flexural strength	138	MPa	ISO 178
Charpy impact strength, +23°C	13	kJ/m ²	ISO 179/1eU
Rockwell hardness	R 111	-	ISO 2039-2

ASTM Data			
Tensile Strength	90.2	MPa	ASTM D 638
Flexural Modulus	5490	MPa	ASTM D 790
Flexural Strength	134	MPa	ASTM D 790
Rockwell Hardness	R 113	-	ASTM D 785

Other properties	Value	Unit	Test Standard
Density	1280	kg/m ³	ISO 1183
Density	1280	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	2 - 5	h	-
Mold temperature	40 - 80	°C	-
Zone 1	220 - 270	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Asia Pacific

Applications

Electrical and Electronical