

Excelloy CK10G30 (CB10G30)

(ABS+PC)-GX30

Techno-UMG Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	6	g/10min	ISO 1133
Temperature	240	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	91	MPa	ISO 527
Flexural modulus, 23°C	5670	MPa	ISO 178
Flexural strength	128	MPa	ISO 178
Charpy impact strength, +23°C	9	kJ/m ²	ISO 179/1eU
Rockwell hardness	R 109	-	ISO 2039-2

ASTM Data			
Tensile Strength	88.3	MPa	ASTM D 638
Flexural Modulus	6180	MPa	ASTM D 790
Flexural Strength	127	MPa	ASTM D 790
Rockwell Hardness	R 112	-	ASTM D 785

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94

Other properties	Value	Unit	Test Standard
Density	1320	kg/m ³	ISO 1183
Density	1320	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100 - 110	°C	-
Pre-drying - Time	2 - 5	h	-
Mold temperature	50 - 100	°C	-
Zone 1	240 - 280	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Asia Pacific

Applications

IT / Business Machine