

Excelloy TK15 (BK104)

(ABS+PBT)

Techno-UMG Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	7	g/10min	ISO 1133
Temperature	240	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	38	MPa	ISO 527
Flexural modulus, 23°C	1530	MPa	ISO 178
Flexural strength	55	MPa	ISO 178
Charpy impact strength, +23°C	55	kJ/m ²	ISO 179/1eU
Rockwell hardness	R 98	-	ISO 2039-2

ASTM Data	Value	Unit	Test Standard
Tensile Strength	39.2	MPa	ASTM D 638
Flexural Modulus	1860	MPa	ASTM D 790
Flexural Strength	63.7	MPa	ASTM D 790
Rockwell Hardness	R 99	-	ASTM D 785

Other properties	Value	Unit	Test Standard
Density	1100	kg/m ³	ISO 1183
Density	1100	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

Special Characteristics

High impact or impact modified

Chemical Resistance

General Chemical Resistance

Applications

Electrical and Electronical

Regional Availability

North America, Asia Pacific