

PRODUCT DATA SHEET

TRADEMARK	GRADE	type
UMG ALLOY®	TC-6F	-

	TEST METHOD	CONDITION	UNIT	Typical property value
Charpy Impact Strength,(Notched)	ISO 179	23 deg.C	kJ/m ²	50
		-30 deg.C		30
Tensile Strength	ISO 527	23 deg.C	MPa	48
Tensile Modulus		23 deg.C	MPa	2000
Flexural Strength	ISO 178	23 deg.C 2mm/min	MPa	80
Flexural Modulus			MPa	2200
Rockwell Hardness	ISO 2039	23 deg.C	R-scale	110
T.D.U.L.	ISO 75	1.80MPa Flatwise	deg.C	99
Density	ISO 1183	23 deg.C	g/cm ³	1.11
Melt Volume Flow Rate	ISO 1133	220deg.C	cm ³ /10min	8.5
Mold Shrinkage ^{note)}	ISO 294-4	23 deg.C	%	0.5-0.7
Coefficient of Linear Thermal Expansion	ISO 11359-2	-	cm/cm/deg. C(x10-5)	8.5
UL Flame Rating	UL 94	-	mm	1.5-3.0 HB
		-	mm	-
		-	mm	-