

PRODUCT DATA SHEET

TRADEMARK: UMG ALLOY®

GRADE: TC-80A

	TEST METHOD	CONDITION	UNIT	TC-80A
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	1900
Flexural Strength	ISO 178	23 deg.C 2mm/min	MPa	79
Flexural Modulus			MPa	2200
Rockwell Hardness	ISO 2039	23 deg.C	R-scale	107
T.D.U.L.	ISO 75	1.80MPa Flatwise	deg.C	107
Density	ISO 1183	23 deg.C	g/cm ³	1.13
Melt Volume Flow Rate	ISO 1133	220deg.C	cm ³ /10min	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
UL Flame Rating File No. E47016	UL 94	-	mm	-
		-	mm	-
		-	mm	-