

## PRODUCT DATA SHEET

TRADEMARK: UMG ALLOY®

**GRADE: TC-41M**

	TEST METHOD	CONDITION	UNIT	TC-41M
Charpy Impact Strength,(Notched)	ISO 179	23 deg.C	kJ/m <sup>2</sup>	50
		-30 deg.C		25
Tensile Strength	ISO 527	23 deg.C	MPa	46
Tensile Modulus		23 deg.C	MPa	1900
Flexural Strength	ISO 178	23 deg.C 2mm/min	MPa	64
Flexural Modulus			MPa	1900
Rockwell Hardness	ISO 2039	23 deg.C	R-scale	104
T.D.U.L.	ISO 75	1.80MPa Flatwise	deg.C	103
Density	ISO 1183	23 deg.C	g/cm <sup>3</sup>	1.11
Melt Volume Flow Rate	ISO 1133	220deg.C	cm <sup>3</sup> /10min	5
Mold Shrinkage <sup>note)</sup>	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 File No. E47016	UL 94	-	mm	-
		-	mm	-
		-	mm	-