

PRODUCT DATA SHEET

TRADEMARK: UMG ALLOY®

GRADE: TA-820CA

	TEST METHOD	CONDITION	UNIT	TA-820CA
Charpy Impact Strength,(Notched)	ISO 179	23 deg.C	kJ/m ²	6
		-30 deg.C		-
Tensile Strength *tensile stress at break	ISO 527	23 deg.C	MPa	*98
Tensile Modulus		23 deg.C	MPa	9100
Flexural Strength	ISO 178	23 deg.C 2mm/min	MPa	135
Flexural Modulus			MPa	8000
Rockwell Hardness	ISO 2039	23 deg.C	R-scale	117
T.D.U.L.	ISO 75	1.80MPa Flatwise	deg.C	113
Density	ISO 1183	23 deg.C	g/cm ³	1.17
Melt Volume Flow Rate	ISO 1133	220deg.C	cm ³ /10min	5
Mold Shrinkage ^{note)}	ISO 294-4	23 deg.C	%	0.1-0.3
Coefficient of Linear Thermal Expansion	ISO 11359-2	-	cm/cm/deg. C(x10-5)	1.5
UL Flame Rating File No. E47016	UL 94	-	mm	0.8 HB
		-	mm	1.5 HB
		-	mm	3.0 HB