

PRODUCT DATA SHEET

TRADEMARK: UMG ALLOY®

GRADE: CV701

	TEST METHOD	CONDITION	UNIT	CV701
Charpy Impact Strength,(Notched)	ISO 179	23 deg.C	kJ/m ²	50
		-30 deg.C		9
Tensile Strength	ISO 527	23 deg.C	MPa	50
Tensile Modulus		23 deg.C	MPa	2150
Flexural Strength	ISO 178	23 deg.C 2mm/min	MPa	74
Flexural Modulus			MPa	2200
Rockwell Hardness	ISO 2039	23 deg.C	R-scale	102
T.D.U.L.	ISO 75	1.80MPa Flatwise	deg.C	97
Density	ISO 1183	23 deg.C	g/cm ³	1.22
Melt Volume Flow Rate	ISO 1133	230deg.C	cm ³ /10min	12
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	0.75 V-1
		-	mm	1.0 V-0
		-	mm	2.5 5VB