

## PRODUCT DATA SHEET

TRADEMARK: UMG ALLOY®

**GRADE: FA-820CA**

	TEST METHOD	CONDITION	UNIT	FA-820CA
Charpy Impact Strength,(Notched)	ISO 179	23 deg.C	kJ/m <sup>2</sup>	5
		-30 deg.C		-
Tensile Strength *tensile stress at break	ISO 527	23 deg.C	MPa	*100
Tensile Modulus		23 deg.C	MPa	8800
Flexural Strength	ISO 178	23 deg.C 2mm/min	MPa	150
Flexural Modulus			MPa	9000
Rockwell Hardness	ISO 2039	23 deg.C	R-scale	122
T.D.U.L.	ISO 75	1.80MPa Flatwise	deg.C	98
Density	ISO 1183	23 deg.C	g/cm <sup>3</sup>	1.22
Melt Volume Flow Rate	ISO 1133	220deg.C	cm <sup>3</sup> /10min	27
Mold Shrinkage <sup>note)</sup>	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 V-0
		-	mm	1.7 5VB
		-	mm	-