

## PRODUCT DATA SHEET

TRADEMARK: UMG ABS®

**GRADE: GF10**

	TEST METHOD	CONDITION	UNIT	GF10
Charpy Impact Strength,(Notched)	ISO 179	23 deg.C	kJ/m <sup>2</sup>	7
		-30 deg.C		3
Tensile Strength *tensile stress at break	ISO 527	23 deg.C	MPa	*83
Tensile Modulus		23 deg.C	MPa	4800
Flexural Strength	ISO 178	23 deg.C 2mm/min	MPa	116
Flexural Modulus			MPa	4200
Rockwell Hardness	ISO 2039	23 deg.C	R-scale	115
T.D.U.L.	ISO 75	1.80MPa Flatwise	deg.C	98
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	13
Mold Shrinkage <sup>note)</sup>	ISO 294-4	23 deg.C	%	0.2-0.4
Coefficient of Linear Thermal Expansion	ISO 11359-2	-	cm/cm/deg. C(x10-5)	5
UL Flame Rating File No. E47016	UL 94	-	mm	1.5 HB
		-	mm	-
		-	mm	-