

PRODUCT DATA SHEET

TRADEMARK: UMG ABS®

GRADE: GF20

	TEST METHOD	CONDITION	UNIT	GF20
Charpy Impact Strength,(Notched)	ISO 179	23 deg.C	kJ/m ²	7
		-30 deg.C		3
Tensile Strength *tensile stress at break	ISO 527	23 deg.C	MPa	*96
Tensile Modulus		23 deg.C	MPa	7000
Flexural Strength	ISO 178	23 deg.C 2mm/min	MPa	126
Flexural Modulus			MPa	6200
Rockwell Hardness	ISO 2039	23 deg.C	R-scale	117
T.D.U.L.	ISO 75	1.80MPa Flatwise	deg.C	101
Density	ISO 1183	23 deg.C	g/cm ³	1.2
Melt Volume Flow Rate	ISO 1133	220deg.C	cm ³ /10min	8
Mold Shrinkage ^{note)}	ISO 294-4	23 deg.C	%	0.1-0.4
Coefficient of Linear Thermal Expansion	ISO 11359-2	-	cm/cm/deg. C(x10-5)	4
UL Flame Rating File No. E47016	UL 94	-	mm	1.5 HB
		-	mm	-
		-	mm	-