

PRODUCT DATA SHEET

TRADEMARK: UMG ABS®

GRADE: EX190

	TEST METHOD	CONDITION	UNIT	EX190
Charpy Impact Strength,(Notched)	ISO 179	23 deg.C	kJ/m ²	11
		-30 deg.C		5
Tensile Strength	ISO 527	23 deg.C	MPa	52
Tensile Modulus		23 deg.C	MPa	2650
Flexural Strength	ISO 178	23 deg.C 2mm/min	MPa	84
Flexural Modulus			MPa	2750
Rockwell Hardness	ISO 2039	23 deg.C	R-scale	110
T.D.U.L.	ISO 75	1.80MPa Flatwise	deg.C	85
Density	ISO 1183	23 deg.C	g/cm ³	1.05
Melt Volume Flow Rate	ISO 1133	220deg.C	cm ³ /10min	15
Mold Shrinkage ^{note)}	ISO 294-4	23 deg.C	%	0.6-0.8
Coefficient of Linear Thermal Expansion	ISO 11359-2	-	cm/cm/deg. C(x10-5)	7
UL Flame Rating File No. E47016	UL 94	-	mm	1.5 HB
		-	mm	-
		-	mm	-