



ABS Resin
TOYOLAC

Basic physical properties

MEIILJ

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300

General purpose / Super impact strength

Properties	Test Method	Test Condition	Units	300
Tensile Strength	ASTM-D638	23 ^o C/ 50%RH	MPa kg/cm ²	39 400
		23 ^o C/ 50%RH	%	>50
Tensile Elongation at Break	ASTM-D638	23 ^o C/ 50%RH	%	>50
Flexural Strength	ASTM-D790	23 ^o C/ 50%RH	MPa kg/cm ²	57 580
		23 ^o C/ 50%RH	MPa kg/cm ²	1,810 18,500
Izod Impact Strength	ASTM-D256	23 ^o C 12.7mm V-notched	J/m kg*cm/cm	333 34
		0 ^o C 12.7mm V-notched		206 21
		-30 ^o C 12.7mm V-notched		147 15
		23 ^o C 3.2mm V-notched	J/m kg*cm/cm	343 35
		0 ^o C 3.2mm V-notched		235 24
		-30 ^o C 3.2mm V-notched		157 16
Distortion Temperature Under Load	ASTM-D648	6.4mm 1.82MPa	^o C	84
Rockwell Hardness	ASTM-D785	23 ^o C/ 50%RH	R-SCALE	100
Melt Flow Rate	ISO-1133	220 ^o C/98N	g/10min	10
Specific Gravity	ASTM-D792	23 ^o C/ 50%RH	-	1.04
Coefficient of Linear Thermal Expansion	ASTM-D696	-	^o C ⁻¹	8.3×10 ⁻⁵
Ball Pressure Temperature			^o C	90
Flammability	UL94 File No.E41797			HB equivalent
Mold Shrinkage			%	0.4-0.6

Note ; These values are typical data for this product under specific test conditions and not intended for use as limiting specifications.

ABS Resin
TOYOLAC
Nylon Resin
Amilan
PBT Resin
TORAYCON
PPS Resin
TORELINA
LCP Resin
SIVERAS
Super EP
TI Polymer
Polyolefin Foam
TORAYPEF

*Plastics Top