

Property	Test Condition	Test Method ISO	Units	Alloy
				ABS/PC Alloy
				PX10-X07
				>PC+ABS<
Physical property				
Density	23℃	ISO1183	kg/m ³	1120
Specific Gravity		ASTM D792	-	1.12
Mechanical property				
Tensile strength	23℃	ISO527-1,2	MPa	57
Tensile strength		ASTM D638	MPa	52
Tensile elongation at Break		ASTM D638	%	50
Elongation at Break	23℃	ISO527-1,2	%	50
Flexural Strength	23℃	ISO178	MPa	84
Flexural Strength		ASTM D790	MPa	79
Flexural Modulus	23℃/50%RH	ISO 178	MPa	2180
Flexural Modulus		ASTM D790	MPa	2100
Rockwell Hardness	23℃	ISO2039-2	R Scale	114
Rockwell Hardness	23℃/50%RH	ASTM D785	Rスケール	114
Charpy Impact Strength (V-notched)	23℃	ISO179	kJ/m ²	60
Ball Pressure Temp./0.1mm Vicat Softening Temp.			℃	115~115
Izod Impact Strength (V-notched)	23℃ 12.7mm	ASTM D256	J/m	333
Izod Impact Strength (V-notched)	23℃ 3.2mm	ASTM D256	J/m	580
Izod Impact Strength (V-notched)	-30℃ 3.2mm	ASTM D256	J/m	123
Heat property				
Coef of Linear Thermal Expansion	—	ASTM D696	℃ ⁻¹	0.00008
Heat Deflection Temp High Load	1.80MPa	ISO75-1,2	℃	101
Heat Deflection Temp(Unannealed)High Load	6.4mm/1.82MPa	ASTM D648	℃	108
Flammability		UL94	rank/thickness mmt	HB
Molding property				
Mold shrinkage	23℃/50%RH	Toray Method	%	0.4-0.7
Melt Flow Rate	240℃/98N	ISO 1133	g/10min	29
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Applications of toyolac

Automobile