

PLASTIC

PC/ABS Alloy

Basic Physical Properties

Features	Applications
Excellent Balance Properties	Household appliance
Good Impact Strength	Automobile interior/exterior trim parts
Good Processing Properties	Telecommunication equipment
Suit for Electroplating and Paint	Computer and accessories

Mechanical Properties	Testing Method ASTM	Test Condition	Units	Typical Values
Tensile Strength	D638	50mm/min	Mpa	48
Elongation at Break	D638	50mm/min	%	≥30
Flexural Strength	D790	2mm/min	Mpa	75
Flexural modulus	D790	2mm/min	Mpa	2100
Izod Impact Strength	D256	3.2mm, 23°C,notched	J/m	450
	D256	3.2mm, 23°C,unnotched	J/m	NB

Thermal Properties

Heat Distortion Temp	D648	0.45Mpa, 6.4mm	°C	105
	D648	1.8Mpa, 6.4mm	°C	90

Electrical Properties

Volume Resistivity	D257		Ω·cm	1015
Surface Resistivity	D257		Ω	1015

Other Properties

Melt Flow Index	D1238	260°C, 5KG	g/10min	22
Specific Gravity	D792	23°C	g/cm³	1.07
Mold Shrinkage	D955	23°C	%	0.5–0.7
Water Absorption	D570	2mm/min	%	0.2
Flammability	UL94	1.0mm	Class	HB
	UL94	3.2mm	Class	HB