

PC/ ABS Alloy							
Manufacturer : Lotte Advanced Material				Brand Name : INFINO			
Property	Test Method	Condition	Unit	HP-1000XG	WP-1089	WP-1069	LS- 1159
Specific Gravity	ASTM D792	Natural or representative color	-	1.15	1.13	1.13	1.28
Melt Flow Index	ASTM D1238	250°C ,2.16kg	g/10min				14
		250°C ,10kg		37	47	47	
Mold Shrinkage(MD)	ASTM D955	Flow at 3.2mm(MD)	%	0.35-0.65	0.4-0.7	0.4-0.7	0.2-0.5
Mold Shrinkage(TD)	ASTM D955	X-Flow at 3.2mm(TD)	%	0.35-0.65	0.4-0.7	0.4-0.7	0.2-0.5
Tensile Strength at Yield	ASTM D638	5mm/min	kgf/cm2	650	540	580	800
Tensile Strain at Break	ASTM D638	50mm/min	%	100	80	80	3.3
Flexural Strength	ASTM D790	2.8mm/min	kgf/cm2	900	770	800	1200
Flexural Modulus	ASTM D790	2.8mm/min	kgf/cm2	24000	21500	22500	23000
Izod Impact Strength (notched)	ASTM D256	1/4 inch at 23°C	kgf/cm.cm	15	43	43	6
Rockwell Hardness	ASTM D785	R-scale		120	113	113	120
Heat Deflection Temperature	ASTM D648	18.56kgf/cm2, 6.4mm	°C	115	110	108	91
VICAT Softening Temperature	ISO R 306	B/50	°C	130	126	123	97
Flammability	UL 94		Recognized	HB	HB	HB	1.5, V-1 2.0,2.5,3.0 V-0