



PS HI 450W

Characteristics High Impact

Applications TV housing, Audio housing, Office equipment, Etc

Test Item	Test Method	Test Condition	Unit	Properties
Tensile Strength	ASTM D638	23℃, 50mm/min	Kg/cm ² (psi)	280 (3,980)
Elongation	ASTM D638	23℃, 50mm/min	%	40
Flexural Strength	ASTM D790	23℃, 3mm/min	Kg/cm ² (psi)	370 (5,254)
Flexural Modulus	ASTM D790	23℃, 3mm/min	Kg/cm ² (psi)	17,500 (248,500)
Rockwell Hardness	ASTM D785	L scale	–	75
IZOD Impact	ASTM D256	3.2mm, Notched, 23℃(73°F)	Kg•cm/cm (ft•lb/in)	10.0(1.85)
Heat Distortion	ASTM D648	18.6kg/cm ² (264psi), Annealed	℃(°F)	80(176)
VICAT Softening Temp	ASTM D1525	–	℃(°F)	97(207)
Melt Flow Index	ASTM D1238	200℃, 5.0kg	g/10min	5.5
Molding Shrinkage	ASTM D955		%	0.3~0.6
Specific Gravity	ASTM D792		g/cc	1.04
Water Absorption	ASTM D570	24hr, Immersion in water	%	0.05
Flammability	UL*	1/16"(1.6mm)	Rating	HB

*) UL File No.E65424 (CSA File No. LS66457)

Note 1) These are typical property values, not specifications.

Note 2) In case of colored products, the values could vary slightly by color.

Note 3) Values are measured at 23℃ and in RH of 50% on injection molded specimens.