

## HIPS STL88

### PRODUCT CHARACTERISTICS AND APPLICATIONS

This product has high impact resistance, good dimensional stability, and mechanical properties. Currently, it is mainly used in home appliance casings and a few injection molding industries.

PHYSICAL PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS	EXPERIMENTAL CONDITION
Melt Flow Index	445	g/10min	GB/T 3682	200C] 5kg
Impact strength of cantilever beam notch	1145	KJ/m2	GB/T 1843	23C, 4mm thick, Notched
Tensile fracture strength	31	Mpa	GB/T 1040	23C, 20mm/min
Tensile modulus	2200	Mpa	GB/T 1040	23C, 1mm/min
Elongation	50	%	GB/T 1040	23C, 20mm/min
Vicat softening point	93	C	GB/T 1633	Unannealed 80C] 2hr, 10N 50C/h
Heat distortion temperature	185	C	GB/T 1634	Unannealed 120C/h, 148MPa 4mm thick
Residual monomer	< 500	PPM	GB/T 38271	
Flammability	HB		UL-94	

### PRODUCT SAFETY COMPLIANCE

STL 88 has obtained RoHS safety certification and passed UL 94-201 3 Flammability Safety Test S standard for Plastic Materials Used in Devices and Appliances. Meanwhile, STL 88 complies with the provisions of GB 4806.4-2016 and GB 4806.7-2016.

### PRODUCT PACKAGING

FFS heavy duty film packaging bag, net weight 25 kg / bag.

### STORAGE AND HANDLING

The product shall be stored in a ventilated, dry, clean warehouse with good fire-fighting facilities. During storage, it shall be kept away from the heat source and protected from direct sunlight. It shall not be stacked in the open air.

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