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HIPS STL 88

HIGH IMPACT POLYSTYRENE

Lianyungang Petrochemical Co., Ltd

DEVICE ADVANTAGES

- Upstream has a 600000 ton styrene plant with stable raw material sources;
- PS adopts leading production processes with an annual output of 400000 tons, ranking among the top five in China's domestic production capacity;
- 4 production lines, flexible production scheduling, few switching times, and stable quality;
- Hire top engineers with high salaries, excellent skills and rich experience;

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.

TYPICAL PROPERTY VALUES

PHYSICAL PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS	EXPERIMENTAL CONDITION
Melt Flow Index	4.5	g/10min	GB/T 3682	200°C*5kg
Impact strength of cantilever beam notch	11.5	KJ/m ²	GB/T 1843	23°C, 4mm thick, Notched
Tensile fracture strength	31	Mpa	GB/T 1040	23°C, 20mm/min
Tensile modulus	2200	Mpa	GB/T 1040	23°C, 1mm/min
Elongation	50	%	GB/T 1040	23°C, 20mm/min
Vicat softening point	93	°C	GB/T 1633	Unannealed 80°C*2hr, 10N 50°C/h
Heat distortion temperature	≥85	°C	GB/T 1634	Unannealed 120°C/h, 1.8MPa 4mm thick
Residual monomer	<500	PPM	GB/T 38271	
Flammability	HB		UL-94	

Note: The listed values are only typical values of product performance, not product specifications.

PRODUCT SAFETY COMPLIANCE

STL 88 has obtained RoHS safety certification and passed UL 94-2013 Flammability Safety Test Standard for Plastic Materials Used in Devices and Appliances. Meanwhile, STL 88 complies with the provisions of GB 4806.6-2016 and GB4806.7-2016.

PRODUCT PACKAGING

FFS heavy duty film packaging bag, net weight 25kg / 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. The storage period of this product is 12 months from the date of production.

This product is non-hazardous. Sharp tools such as iron hooks shall not be used during transportation and loading and unloading, and throwing is prohibited. The transportation tools shall be kept clean and dry and equipped with car shed or tarpaulin. During transportation, it is not allowed to mix with sand, broken metal, coal and glass, nor with toxic, corrosive or flammable materials. The product shall not be exposed to sunlight or rain during transportation.

PRODUCT DISPLAY

