



HIPS STL 88

HIGH IMPACT POLYSTYRENE

Lianyungang Petrochemical Co., Ltd

DEVICE ADVANTAGES

- Upstream has a 600,000 ton styrene plant with stable raw material sources;
- PS adopts leading production processes with an annual output of 400,000 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

The product has the characteristics of high gloss, high heat resistance and strong toughness. It is currently used in the home appliance manufacturing industry, injection molding industrial for food packaging and daily necessities and extrusion for sheet.

TYPICAL PROPERTY VALUES				
PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS	EXPERIMENTAL CONDITION
Appearance of abnormal granules(Black granules)	0	/	SH/T 1541.1	/
Melt Flow Index	4	g/10min	GB/T3682 ISO 1133	200°C*5kg
Vicat softening point	88	°C	GB/T 1633 ISO 306	Unannealed 80°C *2hr,10N 50°C/h
Residual styrene monomer	350	mg/kg	GB/T 38271 ISO 2561	/
(Z-Y)chromaticity	22	/	Q/3207 LPC 601-2023	/
Tensile Stress at Yield	27	MPa	GB/T 1040 ISO 527	23°C,20mm/min
Izod notched impact strength	11	KJ/m ²	GB/T 1843 ISO 180	23°C,4mm thick, Notched
Flexural modulus	2000	MPa	GB/T 9341 ISO 178	23°C,2mm/min

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

PRODUCT SAFETY COMPLIANCE

STL88 has obtained RoHS/FDA safety certification and passed UL 94-2013 Flammability Safety Test Standard for Plastic Materials used in Devices and Appliances. Meanwhile, STL88 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.

