



Polystyrene 525

Transparent technical parameter table

Polystyrene

Made in China

Product Description

- Anhui Haoyuan Polystyrene 525 is a light blue, high heat resistance transparent polystyrene, suitable for injection molding process.
- 525 can be used alone for injection molding production.

Application

- High-temperature resistant products
- Artisanal products
- Injection molding
- Toys, packaging, tableware

Characteristics

- High transparency.
- Good processability.
- Food contact safety.

Performance

Project	Methods	Conditions	Units	Typical Value(*)
Rheological properties				
Melt Index MI	ASTM D1238	5kg, 200℃	Gram per 10 minutes	7.1
Thermal properties				
Vicat Softening Point Vicat	ASTM D1525	50℃/h, 10N	℃	95.9
Mechanical properties				
Tensile Strength TSY	ASTM D638	10KN, 5mm/min	Mpa	40.1
Izod Impact Strength IZOD	ASTM 256	50mm/min	J/M	31.2
Other properties				
Yellow Index YI	ASTM E313	D65, 10 degrees	%	0.2
Fog Degree H%	ASTM D1003	D65, 10 degrees	%	0.5
Transparency	ASTM D523	-	%	96

Note:

The data in the table are sample values measured under specific conditions. These data represent typical values of the products and are not specification values, guarantee values or technical indicators. The above processing parameters are for reference only in injection molding and extrusion processes. They should be adjusted appropriately according to different machine models, molds and product requirements. The content of the table may be revised from time to time due to product improvements. We apologize for any inconvenience caused and will not notify you in advance.

General Explanation

- Processing temperature: The maximum extrusion/ injection molding temperature shall not exceed 260 ° C.
- Suggested pre-drying conditions: 70 ° C, 2 hours;

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