

GP110

General Purpose Polystyrene (GPPS) / Extrusion Sheet and Thermoforming

PRODUCT DESCRIPTION

GP110 is a general purpose polystyrene (GPPS) with high melt strength, high stiffness and high transparency. It is designed for extrusion processing for thermoforming such as food packaging (XPS), appliance & electronic parts (refrigerator food tray).

INDUSTRY

- Appliance & Electronic Parts
- Thermoforming Packaging

PRODUCT FEATURE

- High Stiffness
- High Melt Strength
- High Transparency

REGULATION COMPLIANCE

- FDA US 21 CFR 177.1640
- Commission Regulation (EU) No. 10/2011
- RoHS Directive 2011/65/EU
- REACH Regulation (EC) No. 1907/2006
- UL Yellow Card: E132283

TEST METHOD	UNIT	VALUE
ASTM D1238	g/10 min	2.0
ASTM D792	g/cm ³	1.05
IRPC	%	0.4 - 0.6
ASTM D638	kgf/cm ²	545
ASTM D638	kgf/cm ²	545
ASTM D638	%	2
ASTM D638	kgf/cm ²	32,000
ASTM D790	kgf/cm ²	1,050
ASTM D790	kgf/cm ²	33,000
ASTM D256	kgf·cm/cm	2.2
ASTM D785	M-Scale	80
ASTM D648	°C	94
* ASTM D1525	°C	103
UL94	_	HB (1.5 mm)
	ASTM D1238 ASTM D792 IRPC ASTM D638 ASTM D638 ASTM D638 ASTM D638 ASTM D790 ASTM D790 ASTM D790 ASTM D790 ASTM D756 ASTM D785	ASTM D1238 g/10 min ASTM D792 g/cm³ IRPC % ASTM D638 kgf/cm² ASTM D638 kgf/cm² ASTM D638 kgf/cm² ASTM D638 kgf/cm² ASTM D790 kgf/cm² ASTM D790 kgf/cm² ASTM D256 kgf·cm/cm ASTM D785 M-Scale

Conversion (1 kgf/cm² = 0.098 MPa | 1 kgf-cm/cm = 9.8 J/m)
Remark: The values presented above are typical laboratory, not to be construed as specifications and may vary within moderate ranges. The applicability or accuracy of this information or the suitability of our products cannot be guaranteed because users' conditions of use are beyond our control.



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PROCESSING TECHNIQUE

Cylinder Temperature 180 - 220 °C
Die Temperature 190 - 240 °C
Roller Temperature 50 - 80 °C

*However, the actual processing conditions depend on mold design, power of machine, equipment and other environments.

PRODUCT PACKAGING

- · 25 kg loose bag
- 25 kg stretch wrap on palletized
- Jumbo bag

For further information, contact IRPC's Sales repesentative.

STORAGE

The resin should be stored in a dry location with good housekeeping practices during storage, transferring and handling. Process enclosures and adequate ventilation should be used to avoid excessive dust accumulation. Resin should be protected from direct sunlight, temperatures above 38°C (100°F) and high atmospheric humidity during storage. Higher storage temperatures may reduce the storage time. The container should be kept closed to prevent contamination. For the additional recommended storage conditions, please refer to SDS.

SAFETY

This product is not classified as hazardous material for more information please refer to safety data sheet.

RECYCLING

It is an undisputed fact that the product can be recycled or disposed of without any problem.

DISCLIAMER

The data indicated above are the results of our investigations, knowledge and correspond to the state of the art as of the date of publication and the data refer to the state of the laws at the date of issue and this information expires after a break in delivery lasting more than 12 months or in case of regulatory changes. This statement is not intended and should not be construed as specification, warranty or representation of any sort for which IRPC would be legal responsibility. The applicability or the accuracy of this statement or the suitable of our products cannot be guaranteed because the conditions of use on the part our uses are beyond our control. IRPC gives no guarantees or makes no warranties which extend beyond the description above herein. Nothing herein shall constitute any implied guaranty or warranty of merchantability or fitness for a particular purpose. In the case that IRPC's products are used in combination with other materials, no liability can be accepted. When not utilized in combination with other materials, no liability can be accepted. When not utilized in combination with other materials, no liability can be accepted. When not utilized in combination with other materials, no liability can be accepted. When not utilized in combination with other materials, no liability can be accepted. When not utilized in combination with other materials, no liability can be accepted. When not utilized in combination with other materials, no liability can be accepted. When not utilized in combination with other materials, no liability can be accepted. When not utilized in combination with other materials, no liability can be accepted. When not utilized in combination with other materials, no liability can be accepted. When not utilized in combination with other materials, no liability can be accepted. When not utilized in combination with other materials, not liability can be accepted. When not utilized in combination with other materials, not liability can be accepted. When not utilized in combinat

