

## POLYSTYRENE COMPOUNDS

### GPPS 1018

#### Description

General purpose polystyrene GPPS 1018 is manufactured by continuous mass polymerization of styrene monomer.

#### Applications

It is recommended for foamed meat trays, foamed labels. In mixture with high impact polystyrene for coffee cups, lids. In addition, for insulation board, clamshells for fast food, OPS sheet and shower screens.

#### Properties

Typical properties	Test method (ASTM)	Unit	Value
Physical			
Melt Flow Index (200°C -5 kg)	D1238	g/10min	1.5**
Mechanical			
Tensile Strength	D638	MPa	59
Flexural Modulus	D790	MPa	3300
Izod Impact (Notched)	ISO 180	KJ/m <sup>2</sup>	3.5
Thermal			
Vicat Softening Point (50°C/hr,1kg)	D1525	C	105

Note:\* All mechanical properties measured under standard condition 50% RH and 23C.

\*\*Melt flow index has a tolerance of  $\pm 0.4$  g/10min.

#### Packaging

GPPS 1018 is supplied in the form of cylindrical of approximately 2.5\*2.5 mm. The product can be supplied in either 25kg bags

#### Regulatory Information

It is responsibility of the manufacturers of food contact articles and industrial food packers to make sure the article in their actual use are in compliance with the imposed migration requirements.

## POLYSTYRENE COMPOUNDS

### GPPS 1144

#### Description

General purpose polystyrene GPPS 1144 is manufactured by continuous mass polymerization of styrene monomer.

#### Applications

It is recommended for packing articles, petri dishes, office equipments, pen barrels.

#### Properties

Typical properties	Test method (ASTM)	Unit	Value
Physical			
Melt Flow Index (200°C -5 kg)	D1238	g/10min	14
Mechanical			
Tensile Strength	D638	MPa	40
Flexural Modulus	D790	MPa	2900
Thermal			
Vicat Softening Point (50°C/hr,1kg)	D1525	°C	92

Note: All mechanical properties measured under standard condition 50% RH and 23 C.

#### Packaging

GPPS 1144 is supplied in the form of cylindrical of approximately 2.5\*2.5mm. The product can be supplied in either 25kg bags.

#### Regulatory Information

It is responsibility of the manufacturers of food contact articles and industrial food packers to make sure the article in their actual use are in compliance with the imposed migration requirements.

## POLYSTYRENE COMPOUNDS

### HIPS 3163

#### Description

HIPS 3163 gives excellent processing in injection with good finished product.

#### Applications

It use for injection applications, printers and copiers, ventilators, TV back covers, office machines, monitor cabinets.

#### Properties

Typical properties	Test method (ASTM)	Unit	Value
Physical			
Melt Flow Index (200°C -5 kg)	D1238	g/10min	16
Mechanical			
Tensile Strength	D638	MPa	32
Flexural Modulus	D790	MPa	2500
Izod Impact (Notched)	ISO 180	KJ/m <sup>2</sup>	5
Thermal			
Vicat Softening Point (50°C/hr,1kg)	D1525	°C	85

Note: All mechanical properties measured under standard condition 50% RH and 23°C.

#### Packaging

HIPS 3163 is supplied in the form of cylindrical of approximately 2.5\*2.5mm. The product can be supplied in either 25kg bags.

#### Regulatory Information

It is responsibility of the manufacturers of food contact articles and industrial food packers to make sure the article in their actual use are in compliance with the imposed migration requirements.

## POLYSTYRENE COMPOUNDS

### HIPS 7055

#### Description

HIPS 7055 gives excellent processing in extrusion(thermoforming) with good finished product dimensional stability.

#### Applications

It use for refrigerator liners for refrigerator inserts and door paneling. It use for packaging applications for oily food, diary products and for sheet extrusion application.

#### Properties

Typical properties	Test method (ASTM)	Unit	Value
Physical			
Melt Flow Index (200°C -5 kg)	D1238	g/10min	4.5
Mechanical			
Tensile Strength	D638	MPa	30
Flexural Modulus	D790	MPa	2100
Izod Impact (Notched)	ISO 180	KJ/m <sup>2</sup>	11.5
Thermal			
Vicat Softening Point (50°C/hr,1kg)	D1525	°C	92

Note: All mechanical properties measured under standard condition 50% RH and 23°C.

#### Packaging

HIPS 7055 is supplied in the form of cylindrical of approximately 2.5\*2.5mm. The product can be supplied in either 25kg bags.

#### Regulatory Information

It is responsibility of the mnuufacturers of food contact articles and industrial food packers to make sure the article in their actual use are in compliance with the imposed migration requirements.