

GPPS1028

General purpose polystyrene for
extrusion and molding

Product description:

General purpose polystyrene GPPS 1028 is manufactured by continuous mass polymerization of styrene monomer.

It has very high molecular weight , high heat grade , high melt strength , good clarity and mechanical strength.

Typical applications:

It is recommended for polystyrene sheets, and extruded embossed sheets, and its suitable for food applications . to make sure the article in their actual use are in compliance with the imposed migration requirements.

Typical data:

properties	unit	value	ASTM method
physical			
Melt flow rate @200°C & 5 kg load	g/10min	2.4	D1238
Mechanical properties			
Tensile strenght	Mpa	55	D638
Flexural modulus	Mpa	3200	D790
Charpy impact strength(un notched)	Kj/m ²	11	D256
Thermal properties			
Vicat softening point @120°C,1 kg	C	102	D1525

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

Packing:

GPPS 1028 is supplied in the form of cylindrical of approximately 2.5×2.5 mm. the material can be supplied in either 25 kg bags.



GPPS 1038

General Purpose Polystyrene for
Extrusion and Molding

Product description:

General purpose polystyrene GPPS 1038 is manufactured by continuous mass polymerization of styrene monomer.

It is a crystal-like , its suitable for use on its own or in blends with impact poly styrene both for extrusion and injection molding.

Typical applications:

It is recommended for manufacture of packaging applications and house hold applications and petri dishes
And XPS sheets and plates

Typical data:

properties	unit	value	ASTM method
physical			
Melt flow rate @200 C & 5 kg load	g/10min	3.1	D1238
Mechanical properties			
Tensile strenght	Mpa	55	D638
Flexural modulus	Mpa	3100	D790
Charpy impact strength	Kj/m ²	10	D256
Thermal properties			
Vicat softening point @120 C,1 kg(min)	C	101	D1525

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

Packing:

GPPS 1038 is supplied in the form of cylindrical of approximately 2.5x2.5 mm. the material can be supplied in either 25 kg 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.

Edit date:10/17/2017



GPSS 1047

General Purpose Polystyrene for
Extrusion and Molding

Product description:

General purpose polystyrene GPSS 1047 is a high molecular weight crystal polystyrene which allows maximum dilution rates with high impact polystyrene grades.

In dilution, polystyrene crystal 1047 gives excellent processing in both extrusion and thermoforming with good finished product dimensional stability.

Typical applications:

It is recommended for cups and other products by in line extrusion/thermoforming, foamed trays by direct gassing, dairy sheets, CD boxes, toys, office equipment and XPS sheets and plates

Typical data:

properties	unit	value	ASTM method
physical			
Melt flow rate @200 C & 5 kg load	g/10min	3.8	D1238
Mechanical properties			
Tensile strength	Mpa	50	D638
Flexural modulus	Mpa	3100	D790
Charpy impact strength	Kj/m ²	10	D256
Thermal properties			
Vicat softening point @120 C,1 kg(min)	C	100	D1525

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

Packing:

GPSS 1047 is supplied in the form of cylindrical of approximately 2.5x2.5 mm. the material can be supplied in either 25 kg 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.

Edit date:10/17/2017



GPPS 1077

General Purpose Polystyrene for
Injection molding and Extrusion

Product description:

General purpose polystyrene GPPS 1077 is manufactured by continuous mass polymerization of styrene monomer.

It has medium heat grade , medium melt strength , good clarity and mechanical strength.

Typical applications:

It is recommended for house ware,containers,drinking cup,table ware,optical parts,plastic bangles, cosmetic packing parts ,stationery products and XPS sheets and plates.

Typical data:

properties	unit	value	ASTM method
physical			
Melt flow rate @200°C & 5 kg load	g/10min	7	D1238
Mechanical properties			
Tensile strenght	Mpa	52	D638
Flexural modulus	Mpa	3100	D790
Charpy impact strength(un notched)	Kj/m ²	8	D256
Thermal properties			
Vicat softening point (@120°C,1 kg(min))	C	100	D1525

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

Packing:

GPPS 1077 is supplied in the form of cylindrical of approximately 2.5×2.5 mm, the material can be supplied in either 25 kg bags.

Edit date : 10/17/2017



GPPS 1115

General Purpose Polystyrene for
Extrusion and Injection

Product description:

General purpose polystyrene GPPS 1115 is manufactured by continuous mass polymerization of styrene monomer.

Typical applications:

It is recommended for packing articles, petri dishes, office equipments, pen barrels, crisper boxes for refrigerators, cups, food containers gloss layer coextrusion.

Typical data:

properties	unit	value	ASTM method
physical			
Melt flow rate @200°C & 5 kg load	g/10min	11	D1238
Mechanical properties			
Tensile strenght	Mpa	42	D638
Flexural modulus	Mpa	3100	D790
Thermal properties			
Vicat softening point @120°C,1 kg(min)	C	91	D1525

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

Packing:

GPPS 1115 is supplied in the form of cylindrical of approximately 2.5×2.5 mm. the material can be supplied in either 25 kg bags.

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