

# 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.shrinkage.

## 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.

## Typical data:

properties	unit	value	ASTM method
<b>physical</b>			
Melt flow rate @200 C & 5 kg load	g/10min	4.2	D1238
<b>Mechanical properties</b>			
Tensile strenght	Mpa	50	D638
Flexural modulus	Mpa	3100	D790
Charpy impact strength	Kj/m <sup>2</sup>	10	D256
<b>Thermal properties</b>			
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 2.5×2.5 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: 01/04/2021