

## Product Data Sheet

GPPS 1028

General purpose polystyrene

### 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.

### Applications:

It is recommended for XPS sheets and plates, 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.

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