

# GPPS 1028

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 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.

## Typical data:

| 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 strength                       | 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.

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