

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 |
|--|-------------------|-------|-------------|
| physical | | | |
| Melt flow rate @200 C & 5 kg load | g/10min | 4.2 | D1238 |
| Mechanical properties | | | |
| Tensile strenght | 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 2.5×2.5 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.

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