

Product Data Sheet

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.

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.

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.