

Technical Data Sheet

GPPS 1077

General Purpose Polystyrene

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 ,tableware ,optical parts, plastic bangles, cosmetic packing parts ,stationery products, isolation and XPS sheets and plates.

PROPERTY	UNIT	VALUE	TEST METHOD
Physical			
Melt Floe Rate@(200°c & 5 kg load)	g/10 min	7	ASTM D-1238
Mechanical Properties			
Tensile Strength	MPA	52	ASTM D-638
Flexural modulus	MPA	3100	ASTM D-790
Charpy impact strength(un notched)	Kj/m ²	8	ASTM D-256
Thermal Properties			
Vicat softening point@120°c ,1 kg	°c	100	ASTM D-1525

Note: All mechanical properties measured under standard conditions 50% RH and 23C.

Packing:

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.