

SECCO GPPS75E

General Purpose Polystyrene Resin

Product description

GPPS75E exhibits high mechanical strength and high heat resistance, it is white base color and can give the products excellent light transmittance. Particularly, the sheets extruded with **GPPS75E** can be used for engraving processing.

Product applications

Light guide plate(LGP), advertisement sheet, lamp accessories, etc.

Product characteristics

Typical properties

Properties	Test method	Test condition	Units	Typical values
Melt flow rate	GB/T 3682.1	200°C/5kg	g/10min	6
Tensile stress at break	GB/T 1040.2	50mm/min	MPa	50
Nominal tensile strain at break	GB/T 1040.2	50mm/min	%	2
Flexural modulus	GB/T 9341	2mm/min	MPa	3100
Flexural strength	GB/T 9341	2mm/min	MPa	88
Charpy unnotched impact strength	GB/T 1043.1	23°C/1eU	kJ/m ²	9
Vicat softening temperature	GB/T 1633	B ₅₀	°C	101
Heat distortion temperature	GB/T 1634.2	0.45MPa	°C	95
Density	ISO1183-1		kg/ m ³	1040
Transmissivity	GB/T 2410		%	90
Water absorption	ISO62		%	<0.1
Mold shrinkage	GB/T 17037.4		%	0.3-0.4

- 1) Values given are typical and should not be interpreted as specification.
- 2) Typical applications of GPPS75E are used for extruded sheets. It is suggested that the melt extrusion temperature should be set at 180°C-240°C.

Additional information

Safety and material handling

SECCO polystyrene resin has a very low degree of toxicity under normal conditions of use. Please contact your SECCO representative or the local suppliers for more detailed information and/or Material Safety Data Sheet (MSDS) for the specific grade of interest.