

SECCO GPPS85F

General Purpose Polystyrene Resin

Product description

GPPS85F exhibits high mechanical strength, high melt strength and high heat resistance. It is mineral oil free and it possesses high foaming ratio. *GPPS85F* gives the foamed products high modulus.

Products applications

Extruded foamed sheet(XPS) used for insulation board, buffer board.

Product characteristics

Typical properties

Properties	Test method	Test condition	Units	Typical values
Melt flow rate	GB/T 3682.1	200°C/5kg	g/10min	2.5
Tensile stress at break	GB/T 1040.2	50mm/min	MPa	54
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	10
Vicat softening temperature	GB/T 1633	B ₅₀	°C	102
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 GPPS85F are used for XPS. 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.