

ASCHEM GPPS General Purpose Polystyrene (Crystalline)

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Description

General purpose polystyrene GPPS 585E is a crystal like, hard and brittle polymer polymer with high molecular weight which imparts high tensile strength to end products. It is developed for production of strong and tough extruded foam applications.

Applications

It is recommended for extrusion used in the manufacture of egg cartons and for insulation boards. For biscuits and cake trays that require low odor. In other oriented polystyrene packaging products.

Characteristic Properties (Typical Data)*

Properties	SI Units	Values	Test Methods
Polymer Properties			
Melt Flow Rate (MFR) 200 °C,5 Kg	g/10 min	2	ISO 1133-1A
Mechanical Properties			
Tensile Test			
Tensile Strength	MPa	52	ISO 527
Tensile Elongation	%	2,5	ISO 527
Tensile Modulus	MPa	3200	ISO 527
Flexural Test			
Flexural Modulus	MPa	2700	ISO 178
Flexural Strength	MPa	100	ISO 178
Thermal Properties			
Heat Deflection Temperature			
Method B, 0,45 MPa, Annealed 40 h/70 °C	°C	100	ISO 75-2/B
Vicat Softening Temperature			
Metod A, 10N,120C/h <i>Annealed 40 h/70 °C</i>	°C	106	ISO 306/A120

^{*}These values are typical data that shouldn't be accepted as specification limits.

Disclaimer

Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particular, warranty of merchantability or fitness for a particular purpose.



The information contained herein may include typical properties of our products or their typical performances when used in certain typical applications. Actual properties of our products, in particular when used in conjunction with any third party material(s) or for any non-typical applications, may differ from typical properties.

It is the customer's responsibility to inspect and test our product (s) in order to satisfy itself as to the suitability of the product (s) for its and its customers particular purposes.

The customer is responsible for the appropriate, safe and legal use, processing and handling of all product(s) purchased from us.