

## ASCHEM GPPS General Purpose Polystyrene (Crystalline)

### GPPS 525

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#### Description

General purpose polystyrene GPPS 525 is a crystal like, hard and brittle polymer; easy flow with excellent clarity. It is designed for thin to medium wall thickness of articles. The broad molding range provides maximum facility in processing conditions.

#### Applications

It is recommended for the manufacture of packaging items such as plastic boxes and typical applications include cutlery, office and stationery items or any clear injection items.

#### Characteristic Properties (Typical Data)\*

Properties	SI Units	Values	Test Methods
<b>Polymer Properties</b>			
Melt Flow Rate (MFR) 200 °C and 5 Kg	g/10 min	10	ASTM D 1238
<b>Mechanical Properties</b>			
<b>Tensile Test</b>			
Tensile Strength	MPa	42	ASTM D 638
Tensile Elongation	%	2	ASTM D 638
Tensile Modulus	MPa	3300	ASTM D 638
<b>Flexural Test</b>			
Flexural Modulus	MPa	3200	ASTM D 790
Flexural Strength	MPa	84	ASTM D 790
Izod Impact Strength, Notched at 23 °C	J/m	23	ASTM D256
<b>Thermal Properties</b>			
<b>Heat Deflection Temperature</b>			
Rate 120 °C/h, 0,45 MPa, Annealed	°C	97	ASTM D 648
<b>Vicat Softening Temperature</b>			
Rate B, 10 N	°C	102	ASTM D 1525

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

#### Disclaimer

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