

GENERAL PURPOSE POLYSTYRENE GRADE 585

Polystyrene Grade 585	High impact general purpose polystyrene with low melt-flow index, high molecular weight and improved strength properties
Application	Extruded foam applications and for production of oriented polystyrene sheets
Chemical name	Polyvinylbenzene
Empiric formula	[C ₈ H ₈]N
Technical specification	TU 2214-126-05766801-2003

PROPERTY	VALUE	TEST METHOD
Melt flow index, g/10 min, @ 200 0 C per 5 kg load, within the range	2.1 – 3.5	ASTM D1238
Vicat softening temperature, °C, min	100.0	ASTM D1525
Breaking strength, MPa, min	48.0	ASTM D638
Flexural strength, MPa, min:	95.0	ASTM D790
Residual styrene, % wt., max	0.05	Paragraph 4.10 TU

Supply form	Pellets
Packaging	Paper, polyethylene or polypropylene bags
Transportation	Closed containers or trucks
Storage	In closed room on shelves or pallets, minimum 2” above the floor and minimum 4 feet from heaters, away from direct sunlight

The information herein is based on our data compiled and believed to be reliable on the revision date. This specification does not relieve the Customer from liability for checking the product for compliance with the proposed application. The manufacturer is not responsible for any losses or damages that may arise due to application of this information