

HIGH-IMPACT POLYSTYRENE GRADE 825ES

High-Impact Polystyrene	High impact polystyrene designed for extrusion and thermal molding articles
Application	Product is intended for industrial packaging by thermal molding and for multilayer profile sheets by extrusion technique. Product is used for a thin layer extrusion.
Chemical name	High-impact poly(ethenylbenzene)
Empiric formula	[C ₈ H ₈ ·C ₄ H ₆] _N
Technical specification	TU 2214-126-05766801-2003

PROPERTY	VALUE	TEST METHOD
Melt flow index, g/10 min, @ 200 °C per 5 kg of load, within	3.8 - 5.0	ASTM D1238
Vicat softening temperature, °C, min	92.0	ASTM D1525
Breaking strength, MPa, min	22.0	ASTM D638
Elongation at break, %, min	53.0	ASTM D638
Izod impact strength, notched, J/m, min	100.0	ASTM D256
Flexural strength, MPa, min:	40.0	ASTM D790
Gloss @ 60° angle, min	50.0	ASTM D523
Residual styrene, % wt., max	0.05	Paragraph 4.10 TU

Supply form	Pellets
Packaging	Paper, polyethylene or polypropylene bags
Transportation	All types of covered transport. Product packed in big bags may be transported in open top hopper railcars
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