

HIGH-IMPACT POLYSTYRENE GRADE 825ES

High impact polystyrene designed for extrusion and thermal molding articles. 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: $[C_8H_8 \cdot C_4H_6]_N$
 Specification: TU 2214-126-05766801-2003

PROPERTIES	Value	Test method
Melt flow index, g/10 min, @ 200 °C per 5 kg of load, within	4.4±0.6	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	Acc. to 4.10 of the present TU

Product form: Pellets

Packaging: Paper, polyethylene or polypropylene bags

Transportation: By all types of transport, in covered transport means. Product packed in big bags may be transported in open rolling-stock

Storage: Product shall be stored in enclosed space preventing from direct sun rays, on shelves or pallets at least 5 cm from the floor, and at least 1 m from heaters.

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.