

**HIGH IMPACT POLYSTYRENE  
GRADE 825ES**

High impact polystyrene is intended for injection molding and extrusion applications. The polymer is used for fast cycle injection molding of parts for household and electronic appliances.

Chemical name: Poly(ethenyl benzene), high impact  
Empirical formula:  $[C_8H_8 \cdot C_4H_6]_N$   
Specification: TU 2214-126-05766801-2003

PROPERTY	VALUE	TEST METHOD
Melt flow index, g/10 min, at 200 °C for 5 kg load, within the range	4.0±1.0	ASTM D1238
Vicat softening point, °C, min.	92.0	ASTM D1525
Breaking strength, MPa, min.	21.0	ASTM D638
Elongation at rupture, %, min.	50.0	ASTM D638
Notched Izod impact strength, J/m, min.	96.0	ASTM D256
Flexural strength, MPa, min.	35.0	ASTM D-790
Gloss, 60°, min.	50.0	ASTM D523
Residual styrene mass content, %, max.	0.05	Par. 4.10 of the above stated TU

**Supply form:** Granules

**Packaging:** Paper, polyethylene or polypropylene bags

**Transportation:** By all transport means in covered transportation vehicles. Product packed in big bags can be transported in open rolling stock.

**Storage:** Storage in sheltered warehouses on shelves or pallets, at least 5 cm higher than the floor level, at least 1 m away from heating devices, in the conditions excluding direct sunlight.

Information contained herein is provided to the best of our knowledge and is considered true on the revision date. This specification does not release a customer from obligation to check the product as to suitability thereof for the intended application. A producer shall not be liable for any loss and damage that might occur due to use of this information.