

**HIGH-IMPACT POLYSTYRENE  
GRADE 825ES**

To manufacture articles by extrusion and hot shaping.                      Chemical name:                      High-impact poly(ethenylbenzene)

Application: to manufacture industrial packaging by hot shaping                      Empirical formula:                       $[C_8H_8 \cdot C_4H_6]_N$   
and composite shaped plate by extrusion. For thin-layer                      Technical requirements:                      TU 2214-126-05766801-2003  
extrusion.

QUALITY	VALUE	TEST METHOD
Melt flow rate, g/10 min, at 200°C, 5 kg load, in the range	4.0 ± 1.0	ASTM D-1238
Vicat softening point, °C, min.	92.0	ASTM D-1525
Rupture strength, MPa, min.	21.0	ASTM D-638
Elongation at rupture, %, min.	50.0	ASTM D-638
Izod notched impact strength, J/m, min.	96.0	ASTM D-256
Flexural strength, MPa, min.	35.0	ASTM D-790
Gloss, 60°, min.	50.0	ASTM D-523
Mass fraction of residual styrene, %, max	0.05	GOST 15820 or Fina LAB 1/34-1/35

**Supply form:** Pellets

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

**Transportation:** By all modes of transport in covered vehicles. Product packed in soft containers can be transported in open rolling-stock.

**Storage:** 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.

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