

**HIGH-IMPACT POLYSTYRENE
GRADE 825**

To manufacture articles by jet molding. High-speed molding ability with impact strength preserved.

Application: to manufacture constructional foam plastic, frames for household appliances, toys and articles requiring high gloss.

Chemical name: High-impact poly(ethenylbenzene)

Empirical formula: $[C_8H_8 \cdot C_4H_6]_N$

Technical requirements: TU 2214-126-05766801-2003

QUALITY	VALUE	TEST METHOD
Melt flow rate, g/10 min, at 200°C, 5 kg load, in the range	7.5 ± 1.5	ASTM D-1238
Vicat softening point, °C, min.	84.0	ASTM D-1525
Rupture strength, MPa, min.	17.0	ASTM D-638
Elongation at rupture, %, min.	40.0	ASTM D-638
Izod notched impact strength, J/m, min.	96.0	ASTM D-256
Flexural strength, MPa, min.	37.0	ASTM D-790
Gloss, 60°, min.	70.0	ASTM D-523
Mass fraction of residual styrene, %, max	0.05	GOST 15820 or Fina LAB 1/34-1/35
Flammability per UL94HB at specimen thickness 3.3±0.1 mm, mm/min, max	38	RTC No. 1621

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.

Information contained herein is provided to the best of our knowledge and is considered true on the revision date. This specification does not release the customer from obligation to check the product as to suitability thereof for the intended application. We do not accept any liability for loss and damage that may occur from the use of this information.