

## HIGH IMPACT POLYSTYRENE GRADE 825E

Grade 825E is a high impact polystyrene designed specifically for extrusion and thermoforming. It is used for production of industrial packaging via deep draw thermoforming and custom multilayer sheet extrusion.

CAS Number: 9003-55-8

Design specification: TU 2214-126-05766801-2003

PROPERTY	VALUE	TEST METHOD
Melt flow, g/10 min., at 200°C for 5 kg load	3.0 ± 1.0	ASTM D 1238/A
Vicat softening point, °C, min.	92.0	ASTM D 1525/A
Tensile strength, MPa, min.	21.0	ASTM D 638M
Tensile modulus, MPa, min.	1800	ASTM D 638M
Tensile elongation, MPa, min.	45.0	ASTM D 638M
Gardner impact strength, J, min.	12.0	ASTM D 3029/G
Notched Izod impact strength, J/m, min.	96.0	ASTM D 256/A
Flexural strength, MPa, min.	45.0	ASTM D 790/A
Flexural modulus, MPa, min.	2200	ASTM D 790/A
Gloss, 60°, min.	50.0	ASTM D 523
Residual styrene mass content, %, max.	0.05	GOST 15820 or Fina LAB 1/34-1/35

**Supply form:** Granules.

**Packaging:** Product is shipped in paper or polyethylene bags, polypropylene big bags.

**Transportation:** Product is transported in covered transport. Product in big bags can be transported in open rolling-stock.

**Storage:** Storage in sheltered warehouse on shelves or pallets higher than floor level at least by 5 cm and away from heating devices at least by 1 m and direct sunrays.

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