

**HIGH-IMPACT POLYSTYRENE  
GRADE 825**

Application: injection molding. Used for accelerated moulding retaining whereas high-impact properties. Product is intended for manufacturing engineering foam sheets and such products as casings for household appliances, toys and articles with high gloss.

Chemical name:  
Empiric formula:  
Standard specification:

High-impact poly(ethenylbenzene)  
[C<sub>8</sub>H<sub>8</sub>·C<sub>4</sub>H<sub>6</sub>]<sub>N</sub>  
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<b>PROPERTY</b>	<b>Value</b>	<b>Test method</b>
Melt flow index, g/10 min, @ 200 °C per 5 kg of load	7.5±1.5	ASTM D 1238
Vicat softening temperature, °C, min	89.0	ASTM D 1525
Tensile strength, MPa, min	-	ASTM D 638
Elongation at break, %, min	-	ASTM D 638
Izod impact, notched, J/m, min	96.0	ASTM D 256
Flexural strength, MPa, min	-	ASTM D 790
Gloss @ 60°, min	70.0	ASTM D 523
Residual styrene, wt%, max	0.05	para. 4.10 TU
Flammability, mm/min, max	40	para. 4.9 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:** Indoors, in heated warehouses, on shelves or pallets at least 5 cm height from the floor, at least 1 m from heaters. Keep the product away from direct sunlight.

The information herein is based on our data compiled and believed to be reliable on the revision date. This specification does not release the customer from the responsibility to check the product for fitness for the intended use. Producer disclaims liability for any loss or damage arising from usage of this information.