HIGH IMPACT POLYSTYRENE
GRADE 825

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: $[C_8H_8 \bullet C_4H_6]_N$
Specification: TU 2214-126-05766801-2003

PROPERTY	**VALUE**	**TEST METHOD**
Melt flow index, g/10 min, at 200 ^{0}C for 5 kg load, within the range	7.5±1.5	ASTM D1238
Vicat softening point, ^{0}C, min.	84.0	ASTM D1525
Breaking strength, MPa, min.	17.0	ASTM D638
Elongation at rupture, %, min.	40.0	ASTM D638
Notched Izod impact strength, J/m, min.	96.0	ASTM D256
Flexural strength, MPa, min.	37.0	ASTM D790
Gloss, 60°, min.	70.0	ASTM D523
Residual styrene mass content, %, max.	0.05	Par. 4.10 of the above stated TU
Flammability, mm/min, max	40	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.