SPECIFICATION
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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:	High-impact poly(ethenylbenzene)
Empiric formula:	$[C_8H_8 \cdot C_4H_6]_N$
Standard specification:	TU 20.16.20-224-05766801-2020

PROPERTY	**Value**	**Test method**
Melt flow index, g/10 min, @ 200 ^{0}C per 5 kg of load	7.5±1.5	ASTM D 1238
Vicat softening temperature, ^{0}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 @ 60^0, 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.