

## HIGH-IMPACT POLYSTYRENE GRADE 45FE

Product is obtained by thermal bulk polymerization. Application: extrusion and thermal molding, manufacture of food packaging and disposable cutlery; thin-wall extrusion.	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> TU 20.16.20-224-05766801-2020
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PROPERTY	Value	Test method
Melt flow index, g/10 min, @ 200 °C per 5 kg of load	4.0±1.0	ASTM D1238
Vicat softening temperature, °C, min	92.0	ASTM D1525
Tensile strength, MPa, min	-	ASTM D638
Elongation at break, %, min	-	ASTM D638
Izod impact, notched, J/m, min	96.0	ASTM D256
Flexural strength, MPa, min	-	ASTM D790
Gloss @ 60°, min	50.0	ASTM D523
Residual styrene, wt%, max	0.05	para 4.10 TU
Flammability, mm/min, max	-	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.