

## HIGH-IMPACT POLYSTYRENE GRADE 85FM

Special grade general purpose polystyrene with reduced content of residual styrene and high finish gloss. Application: injection molding; manufacture of food contact articles.

Chemical name:

High-impact poly(ethenylbenzene)

Empiric formula:

$[C_8H_8 \cdot C_4H_6]_N$

Standard

TU 20.16.20-224-05766801-2020

specification:

PROPERTY	Value	Test method
Melt flow index, g/10 min, @ 200 °C per 5 kg of load	7.5±1.5	ASTM D1238
Vicat softening temperature, °C, min	84.0	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	70.0	ASTM D523
Residual styrene, wt%, max	0.045	para. 4.10 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.