

**HIGH-IMPACT POLYSTYRENE
GRADE 740**

To manufacture articles by jet molding and extrusion.

Chemical name:

High-impact poly(ethenylbenzene)

Application: to manufacture household and electronic appliances
by high-speed jet molding.

Empirical formula:

 $[C_8H_8 \cdot C_4H_6]_N$

Technical requirements:

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QUALITY	VALUE	TEST METHOD
Melt flow rate, g/10 min, at 200°C, 5 kg load, in the range	4.0 ± 1.5	ASTM D-1238
Vicat softening point, °C, min.	85.0	ASTM D-1525
Rupture strength, MPa, min.	18.0	ASTM D-638
Elongation at rupture, %, min.	20.0	ASTM D-638
Izod notched impact strength, J/m, min.	40.0	ASTM D-256
Flexural strength, MPa, min.	40.0	ASTM D-790
Gloss, 60°, min.	60.0	ASTM D-523
Mass fraction of residual styrene, %, max	0.05	GOST 15820 or Fina LAB 1/34-1/35

Supply form:

Pellets

Packaging:

Paper, polyethylene or polypropylene bags

Transportation:

By all modes of transport in covered vehicles. Product packed in soft containers can be transported in open rolling-stock.

Storage:

In enclosed space preventing from direct sun rays, on shelves or pallets at least 5 cm from the floor, and at least 1 m from heaters.

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