

**HIGH-IMPACT POLYSTYRENE
GRADE 680**

Developed for foam extrudate and laminate.

Chemical name:

High-impact poly(ethenylbenzene)

Application: to extrude foam laminate and film. In cases, when GPPS requires some impact strength and requires no extraordinary transparence, e.g., an envelope with a transparent paper window, grade 680 is used. As a modifier for aligned structure sheet PS.

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	2.0 ± 1.0	ASTM D-1238
Vicat softening point, °C, min.	91.0	ASTM D-1525
Rupture strength, MPa, min.	40.0	ASTM D-638
Elongation at rupture, %, min.	5.0	ASTM D-638
Izod notched impact strength, J/m, min.	41.0	ASTM D-256
Flexural strength, MPa, min.	80.0	ASTM D-790
Gloss, 60°, min.	65.0	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.

Information contained herein is provided to the best of our knowledge and is considered true on the revision date. This specification does not release the customer from obligation to check the product as to suitability thereof for the intended application. We do not accept any liability for loss and damage that may occur from the use of this information.