

## GENERAL PURPOSE POLYSTYRENE GRADE 590

Low melt-flow polystyrene with high molecular weight.

Application: manufacture of biaxially-oriented polystyrene film, extrusion of expanded items, such as eggs containers, meat trays and food dispensing accessories.

Chemical name: Polyvinyl benzene  
 Empirical Formula:  $[C_8H_8]_N$   
 Technical specifications: TU 2214-126-05766801-2003

PROPERTY	Value	Test method
Melt flow, g/10 min., at 200 °C for 5 kg load, within range	1.8±0,3	ASTM D-1238
Vicat softening point, °C, min.	98.0	ASTM D-1525
Breaking strength, MPa, min.	38.0	ASTM D-638
Flexural strength, MPa, min.	95.0	ASTM D-790
Residual styrene mass content, %, max.	0.05	para 4.10 of the present TU

**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 considered true on the revision date. This specification does not release a customer from obligation to check the product as to suitability thereof for the intended application. A producer shall not be liable for any loss or damage that might occur due to use of this information.