

GENERAL PURPOSE POLYSTYRENE GRADE 585

Grade 585 is a high molecular weight, low melt-flow crystal polystyrene. This polymer is tailored for extruded foam applications such as egg cartons, meat trays and food service. It is also suited for production of oriented polystyrene sheet.

CAS Number: 9003-53-6

Design specification: TU 2214-126-05766801-2003

PROPERTY	VALUE	TEST METHOD
Melt flow, g/10 min., at 200°C for 5 kg load	2.0 ± 1.0	ASTM D 1238/A
Vicat softening point, °C, min.	98.0	ASTM D 1525/A
Tensile strength, MPa, min.	38.0	ASTM D 638
Tensile modulus, MPa, min.	2200	ASTM D 638
Flexural strength, MPa, min.	95.0	ASTM D 790/A
Flexural modulus, MPa, min.	2700	ASTM D 790/A
Residual styrene mass content, %, max.	0.05	GOST 15820 or Fina LAB 1/34-1/35

Supply form: Granules.

Packaging: Product is shipped in paper or polyethylene bags, polypropylene big bags.

Transportation: Product is transported in covered transport. Product in big bags can be transported in open rolling-stock.

Storage: Storage in sheltered warehouse on shelves or pallets higher than floor level at least by 5 cm and away from heating devices at least by 1 m and direct sunrays.

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