

**GENERAL PURPOSE POLYSTYRENE
GRADE 525**

To manufacture articles by jet molding, and co-extrusion coating.

Chemical name: Polyvinylbenzene

Application: to manufacture medical and laboratory items, cups and jewel caskets. Its rheology of melt enables to coat cups, plates and other disposable dishware.

Empirical formula: $[C_8H_8]_n$

Technical requirements: TU 2214-126-05766801-2003

QUALITY	VALUE	TEST METHOD
Melt flow rate, g/10 min, at 200°C, 5 kg load, in the range	9.0 ± 2.0	ASTM D-1238
Vicat softening point, °C, min.	92.0	ASTM D-1525
Rupture strength, MPa, min.	37.0	ASTM D-638
Flexural strength, MPa, min.	80.0	ASTM D-790
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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