

GENERAL PURPOSE POLYSTYRENE GRADE 525

Grade 525 is a crystal polystyrene for both injection molding and cap layer co-extrusion. Injection molding applications such as medical and laboratory parts, tumblers and jewel boxes demonstrate the polymer's ability to be molded with minimal stresses and fast cycles. Utilizing 525 as a cap layer in cups, plates and other consumer disposables takes advantage of this polymer's melt rheology.

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	9.0 ± 2.0	ASTM D 1238/A
Vicat softening point, °C, min.	92.0	ASTM D 1525/A
Tensile strength, MPa, min.	37.0	ASTM D 638
Tensile modulus, MPa, min.	2500	ASTM D 638
Flexural strength, MPa, min.	80.0	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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