



GENERAL PURPOSE POLYSTYRENE GRADE 525

Application: injection molding and co-extrusion. Product is used in manufacture of medical and laboratory articles, cups and jewel boxes. Melt rheology of the polymer gives disposable cutlery coating.

Chemical name: Empiric formula: Standard specification:

Polyvinylbenzene [C₈H₈]_N

TU 20.16.20-224-05766801-2020

PROPERTY	Value	Test method
Melt flow index, g/10 min, @ 200 °C per 5 kg load	9.0±2.0	ASTM D1238
Vicat softening temperature, °C, min	92.0	ASTM D1525
Tensile strength, MPa, min	-	ASTM D638
Flexural strength, MPa, min	-	ASTM D790
Residual styrene, wt%, max	0.05	para. 4.10 TU