

**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 [C<sub>8</sub>H<sub>8</sub>]<sub>N</sub>

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<b>PROPERTY</b>	<b>Value</b>	<b>Test method</b>
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