



## GPPS P24

### Description

**General Purpose Polystyrene (GPPS)** is a transparent, rigid, and cost-effective thermoplastic polymer known for its excellent clarity and ease of processing through methods like injection molding and extrusion. It is a brittle material used for applications requiring transparency, such as disposable cups, packaging trays, CD cases, and medical labware.

### Application

- **Disposable Dishes:** Due to its clarity, rigidity, and low cost, GPPS is ideal for single-use items like transparent drinking cups, cutlery, plates, and food service trays.
- **Plastic Containers:** Used to manufacture a variety of clear, rigid containers, including jewel cases for CDs/DVDs, cosmetic packaging, and transparent storage boxes for consumer goods.

<b>GRADE</b>	<b>P-24</b>	<b>P-402</b>	<b>P-503</b>	<b>P-161</b>	<b>P-316</b>	<b>P-160</b>	<b>P-58</b>	<b>P-41</b>	<b>P-500</b>	<b>P-300</b>
<b>MFR</b>	3-5	3	4	4	2-3.5	2.4	2.8	3	5	3
<b>VICAT SOFTENI NG POINT</b>	102	102	100	104	104	105	100	102	99.5	101
<b>TENSILE STRENGT H AT BREAK</b>	42	55	50	52	50	48	52	52	44	45
<b>ELONGAT ION AT BREAK</b>	2	2	2	2.2	2	3	2	1	3	2.5