

**GPPS 525 General Purpose Polystyrene Specification**

**Chemical name**  
**Commercial name (s)**  
**Purpose of use**

General Purpose Polystyrene  
GPPS 525  
It is recommended for the manufacture of packaging items such as plastic boxes and typical applications include cutlery, office and stationery items or any clear injection items.

Specifications	Unit	Specification	Test Methods
<b>Melt Flow Index</b>	g/10 min.	8 – 12	ASTM D 1238
<b>Notched Izod Impact @ 23°C</b>	J/m	min. 11,76	ASTM D 256
<b>Vicat Softening Point@10N</b>	°C	min. 95	ASTM D 1525
<b>Heat Distortion @ 0.45 Mpa</b>	°C	min. 90	ASTM D 648
<b>Tensile Properties</b>			ASTM D 638
- Strength at break	MPa	min. 3726	
- Elongation at break	%	min. 1,5	
- Tensile Modulus	MPa	2941 – 3432	
<b>Flexural Properties</b>			ASTM D 790
- Flexural Strength	MPa	min. 6864	
- Flexural Modulus	MPa	2745 – 3530	

**PRODUCT TYPE:** Transparent granule

**PACKAGING SHAPE:** 25 kg/Package

**STORAGE CONDITIONS:** It is stored at non-humid,ambient temperature

**USAGE COHES:** It is recommended for the manufacture of packaging items such as plastic boxes and typical applications include cutlery, office and stationery items or any clear injection items.

**GBF Number:** GBF003-EN

**Prepared & Coordinated by**  
**Quality and R&D Manager**

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**Plant Manager**