

## General Purpose Polystyrene MFI=10 GP5000

Category: General Purpose Polystyrene GPPS

BRAND: TAIREX

**Material Notes:**

Characteristic: High melt flow

Application: TRP blending, Thin sheet injection, Food containers, Cassettes, Cosmetic cases, Food Container, Food Packaging, General Purpose

Property	Unit	Test Method	Test Condition	Value
Melt Flow Index	g/10 min	ASTM D-1238 (ISO 1133)	200°C × 5kg 49N	10
Izod Impact Strength	kg-cm/ cm	ASTM D-256	23 °C , 1/4", Notched,	1.6
	kJ/m <sup>2</sup>	ISO 180	23 °C , 4mm, Notched,	1.5
Charpy Impact Strength	kJ/m <sup>2</sup>	ISO 179	23°C , 4mm, GPPS No Notch	8.7
Tensile Strength	kg/cm <sup>2</sup>	ASTM D-638	23 °C , 5mm/min	440
	Mpa	ISO 527	23 °C , 20mm/min	42
Tensile Modulus	kg/cm <sup>2</sup>	ASTM D-638	23 °C , 5mm/min	33,000
	Mpa	ISO 527	23 °C , 1mm/min	3,400
Tensile Elongation	%	ASTM D-638	23 °C , 5mm/min	2.0
		ISO 527	23 °C , 20mm/min	3.0
Flexural Strength	kg/cm <sup>2</sup>	ASTM D-790	23 °C , 1.2mm/min	820
	MPa	ISO 178	23 °C , 2mm/min	72
Flexural Modulus	kg/cm <sup>2</sup>	ASTM D-790	23 °C , 1.2mm/min	31,000
	MPa	ISO 178	23 °C , 2mm/min	3,400
Heat Deflection Temperature	°C	ASTM D-648	Annealed 80°C x 2hr, 120°C /h, 1.8Mpa 1/8"	83
		ISO 75/A	Annealed 80°C x 2hr, 120°C /h, 1.8Mpa 4mm	89
Vicat Softening Point	°C	ASTM D-1525	Annealed 80°C x 2hr 1/8", 10N 50°C /h	94
		ISO 306	Annealed 80°C x 2hr, 4mm, 10N 50°C /h	94
Reidual Monomer	ppm max	-	-	700
Flammability	-	UL-94	FILE NO. E162823	1.5-1.7mm HB All Color
Speciality				High flow

## **Contact Jiaxing Fulltrust Plastic Co.,Ltd.**

**Website:**[www.fulltrustplastic.com](http://www.fulltrustplastic.com)

**Email :** [jerry@fulltrustplastic.com](mailto:jerry@fulltrustplastic.com)

**Mobile& Whats'app :** +86 18657312116

**Address :** No.100 Zhuyuan Road , Nanhu District, Jiaxing City,China