

GPPS1810

GPPS1810 is an easy flowing crystal polystyrene designed for injection applications.

Applications

petri dishes,blood sample tubes,disposable beakers,thin wall moldings.

Producer

Tabriz Petrochemical Company

Property	Unit	Test Method	Typical Value
Met Flow Index (200°C-5KG)	g/10min	ISO 1133 H	20
Styrene Residual Monomer	PPM	CLG LABPSG004 (ATOFINA TEST METHOD)	<500
Vicat Softening Point (50 °C/hr 1kg)	°C	ISO 306A50	90
Rockwell Hardness	-	ISO 2039-2	SCALE/L70
Tensile Stress At Break	MPA	ISO 527-2	40
Elongation At Break	%	ISO 527-2	3
Flexural Modulus	MPA	ISO 178	2900
Tensile Modulus	MPA	ISO 527-2	4150
Water Adsorption	%	ISO 62	<0.1

*All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests. For more information about guaranteed items, please refer to S.S.S. (standard sales specifications)

Density and shrinkage of this grade are approximately around 1.04 kg/lit & (0.4-0.7)%(ASTM D-955) respectively. All test are carried out at 23°C, unless otherwise stated.

If the injection molding products quality is affected by moisture, granules of GPPS could be dried at 70°C for 2-4 hours.