GPPS

GENERAL PURPOSE POLYSTYRENE -(GPPS)

GPPS1160 - (T.P.C)

Product Description:

GPPS1160 is a high heat resistance and molecular weight crystal polystyrene for extrusion and bi oriented polystyrene (OPS) industry. It is particularly useful in the production of thick sheet by direct inject gassing, where it gives expanded sheets with high mechanical properties.GPPS1160 can also be used in dilution with HIPS7240 for extrusion of sheet for thermoforming. This grade has food contact approval

Applications: shower cabinets, lighting thin films, insulation board, foam sheet of fruits trays, meat trays, egg boxes.
Typical data – GPPS1160

PROPERTY	TEST METHOD	UNIT	VALUE
MELT FLOW INDEX(200 C/5KG)	ASTM D-1238	GR/10MIN	2.5
STYRENE RESIDUAL MONOMER	CLG LABPSG004	PPM	<500
VICAT SOFTENING POINT (50 °C/hr 1kg)	ASTM D-1525	°C	105
ROCKWELL HARDNESS	ISO2039-2	-	L SCALE/ 70
TENSILE STRENGTH AT BREAK	ISO527-2	MPA	48
ELONGATION AT BREAK	ISO527-2	%	3
TENSILE MODULUS	ISO527-2	MPA	3200

*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 s are carried out at 23°C, unless otherwise stated. If in grade reference the fourth digit is “1”(1161), indicates an external lubricants is included. If the injection molding products quality is affected by moisture, granules of GPPS could be dried at 70°C for 2-4 hours.