GPPS

GPPS1540 - (T.P.C)

Product Description:

GPPS1540 is easy flowing crystal polystyrene designed for extrusion or injection applications. It improves extruder output and thermoforming cycle time when mixed with a high impact polystyrene such as HIPS7240.It is particularly suitable for glossy-layer co extrusion. This grade has food contact approval.

Applications: packaging articles, Petri dishes, office equipments, pen barrels, crisper boxes for refrigerators, cups, food containers gloss layer co extrusion and anionic styrene butadiene copolymer dilution.

Typical data – GPPS1540

PROPERTY	TEST METHOD	UNIT	VALUE
MELT FLOW INDEX(200 C/5KG)	ASTM D-1238	GR/10MIN	11
STYRENE RESIDUAL MONOMER	CLG LABPSG004	PPM	<500
VICAT SOFTENING POINT (50 °C/hr 1kg)	ASTM D-1525	°C	91
ROCKWELL HARDNESS	ISO2039-2	-	L SCALE/ 70
TENSILE STRENGTH AT BREAK	ISO527-2	MPA	42
ELONGATION AT BREAK	ISO527-2	%	2
TENSILE MODULUS	ISO527-2	MPA	3100

*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 tests are carried out at 23°C, unless otherwise stated. If in grade reference the fourth digit is “1”(1541), 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.