

GPPS1540

GPPS1540 is an 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 coextrusion.

Applications:

Packaging Articles, Petri Dishes, Office Equipments, Pen Barrels, Crisper Boxes for Refrigerators, Cups
Gloss Layer Coextrusion. Anionic Styrene Butadiene Copolymer Dilution.

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX(200°C-5KG)	g/10min	ISO 1133 H	11
STYRENE RESIDUAL MONOMER	PPM	CLG LABPSG004 (ATOFINA TEST METHOD)	<500
VICAT SOFTENING POINT (50 °C/hr 1kg)	°C	ISO 306A50	91
ROCKWELL HARDNESS	-	ISO 2039-2	L SCALE/ 70
TENSILE STRENGTH AT BREAK	MPA	ISO 527-2	42
ELONGATION AT BREAK	%	ISO 527-2	2
FLEXURAL MODULUS	MPA	ISO 178	2900
TENSILE MODULUS	MPA	ISO 527-2	3100
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 taking 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 in grade reference the fourth digit is "1"(1541) ,indicates an external lubricants is included.

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