

# AKSAD GROUP PETROCHEM

## 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 UNIT TYPICAL VALUE polystyrene such as HIPS7240. It is particularly suitable for glossy-layer coextrusion.

This grade has food contact approval.

### Applications

Packaging articles, petri dishes, office equipments, pen barrels, crisper boxes for

Refrigerators, cups, food containers gloss layer coextrusion. anionic styrene butadiene copolymer dilution.

Properties	Value	Unit	Method
MELT FLOW INDEX(200°C-5KG)	11	g/10min	ASTM D-1238
STYRENE RESIDUAL MONOMER	<500	PPM	CLG LABPSG004 (ATOFINA TEST METHOD)
VICAT SOFTENING POINT ( 50 °C/hr 1kg)	91	°C	ASTM D-1525
ROCKWELL HARDNESS	L SCALE/ 70	-	ASTM D-1525
TENSILE STRENGTH AT BREAK	42	MPA	ASTM D-638
ELONGATION AT BREAK	2	%	ASTM D-638
TENSILE MODULUS	3100	MPA	ASTM D-638

\*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.

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.