

HIPS3630

HIPS4240 is a very high impact polystyrene for the extrusion industry. This grade has been designed to diluted with crystal polystyrene.

The good melt strength of this grade makes it particularly suited for extruded profiles

HIPS4240 is available in white color.

Applications

darty sheet,cups,trays,egg boxes,general packaging,vending cups,extruded profiles.

Producer

Tabriz Petrochemical Company

Property	Unit	Test Method	Typical Value
Met Flow Index (200°C-5KG)	g/10min	ISO 1133 H	3.5
Styrene Residual Monomer	PPM	CLG LABPSG004 (ATOFINA TEST METHOD)	<500
Vicat Softening Point (50 °C/hr 1kg)	°C	ISO 306A50	97
Rockwell Hardness	-	ISO 2039-2	SCALE/L71
Tensile Stress At Break	MPA	ISO 527-2	29
Tensile Stress At Break	MPA	ISO 527-2	27
Elongation At Break	%	ISO 527-2	45
Flexural Modulus	MPA	ISO 178	1850
Tensile Modulus	MPA	ISO 527-2	3110
Izod Impact	KJ/M2	ISO180/1A	6
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.

www.polymeran.com