



Technical Datasheet

GPPS 232-TSHT

Description

GPPS 232-TSHT is a general purpose polystyrene grade offering very good overall strength and improved heat resistance. The preferred mode is injection molding. For extrusion to sheets for thermoforming. GPPS 232-TSHT is blended with high impact polystyrene grades, e.g. HIPS 622-TSHT.

Examples of Application

CD-boxes, cosmetic packs, medical articles, refrigerator vegetable compartments and shelves, vending machine cups.

Properties	Specifications	Units	Conditions	Methods
Physical Properties				
Melt Volume Rate	3.7 – 5.3	cm ³ /10 min	200 oC, 5 kg	ISO 1133
Density	1040	kg/m ³		ISO 1183
Thermal Properties				
Vicat Softening Point	90 min	oC	50 oC/hr, 5 kg	ISO 306 B
Mechanical Properties				
Tensile Strength @ break	55	MPa	5 mm/min	ISO 527-2
Tensile Modulus	3300	MPa	1 mm/min	ISO 527-2
Elongation	3	%	5 mm/min	ISO 527-2
Flexural Strength	100	MPa	2 mm/min	ISO 178
Flexural Modulus	2800	MPa	2 mm/min	ISO 178
Charpy Impact	15	KJ/m ²	Unnotched	ISO 179/1eU

Bulk density is approximately 0.6 g/cm³.

Note:

Information contained in the publication is true and accurate based on our current knowledge and experience. This information is to help users in processing and application of the product. Before using the product, users should carry out their own investigation and tests as many factors affect processing and application.