



Technical Datasheet

GPPS 152D-TSHT

Description

GPPS 152D-TSHT is a high molecular weight general purpose polystyrene grade which gives excellent processing in both extrusion and thermoforming with good finished product dimensional stability and mechanical properties. good flow characteristics and improved heat resistance.

Examples of Application

Cups and other products by in line extrusion / thermoforming.

Properties	Specifications	Units	Conditions	Method
Physical Properties				
Melt Volume Rate	4 - 6	cm ³ /10 min	200 oC, 5 kg	ISO 1133
Density	1040	kg/m ³		ISO 1183
Thermal Properties				
Vicat Softening Point	97	oC	50 oC/hr, 5 kg	ISO 306 B
Mechanical Properties				
Tensile Strength @ break	53	MPa	5 mm/min	ISO 527-2
Tensile Modulus	3300	MPa	1 mm/min	ISO 527-2
Elongation	2	%	5 mm/min	ISO 527-2
Flexural Strength	90	MPa	2 mm/min	ISO 178
Flexural Modulus	2800	MPa	2 mm/min	ISO 178
Charpy Impact	11	KJ/m ²	Unnotched	ISO 179/1eU

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.