

# PTS PBT-1100

Polybutylene Terephthalate  
Polymer Technology and Services, LLC

Message:

PTS PBT-1100 is a Polybutylene Terephthalate (PBT) product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Characteristics include:  
Chemical Resistant  
Good Processability  
Wear Resistant

General Information			
Features	Good Abrasion Resistance Good Chemical Resistance Good Electrical Properties Good Processability Low Friction		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density <sup>1</sup>	1.29 to 1.33	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	30 to 45	g/10 min	ISO 1133
Ash Content <sup>2</sup>	< 0.035	%	ISO 3451-1
Color b - Hunter Lab photometer <sup>3</sup>	< 6.00		Internal Method
Intrinsic Viscosity <sup>4</sup>	0.98 to 1.0	dl/g	ISO 1628-5
Moisture Content - Loss on drying	< 0.30	%	ISO 15512
Carboxyl End Groups - Potentiometric titration <sup>5</sup>	< 30.0	mol/t	Internal Method
Thermal	Nominal Value	Unit	Test Method
Melting Temperature <sup>6</sup>	222 to 226	°C	ISO 11357-3
NOTE			
1.	Dipping/distilled water		
2.	Calcinations		
3.	Pellet, C/2° light		
4.	Phenol - tetrachloroethane		
5.	Phenol - chloroform dissolvant		
6.	10°C/min		

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