

FICHA TÉCNICA

GST3D PETG is a highly modified PET copolymer amorphous, which belongs to the family of PET products commonly known as "PETG" (PET Glycol modified).

GST3D PETG has been specially designed for extrusion blow moulded bottles. The inability to develop crystalline haze, combined with the excellent melt strength, makes GST3D 84 ideally suitable for extrusion blow moulding small and medium size personal care bottles.

Properties			
Intrinsic Viscosity			
Color b* L*	ASTM D6290		≤ 1 ≥ 64
Glass Transition			
	ASTM D3418		
Bulk Density		g.cm ³	0.73
Moisture			
		%	≤ 0.3
Water absorption			
	ASTM D570 (1998)	%	0.11
Tensile Properties			
Yield Stress (σy)		MPa	50
	UNE-EN ISO 527-2		
			31
Tensile Modulus	UNE-EN ISO 527-2 (November 2012)	MPa	3020
Flexural Properties			
Flexural Modulus	UNE-EN ISO 178	MPa MPa	2040 68
Strength			
Izod Impact Resistance			
Notched 23°C; 50 %RH 0°C -30°C	UNE-EN ISO 180 (October 2001) + 1st modification (October 2013)	KJ/m ² KJ/m ² KJ/m ²	4.4 4.6 3.7
Unnotched 23°C; 50 %RH 0°C -30°C		KJ/m ² KJ/m ² KJ/m ²	Non Break Non Break 130
Heat Deflection			
0,45 MPa	UNE-EN ISO 75-2	°C	68
Vicat Softening Temperature			
	UNE-EN ISO 306 (February 2005)	°C	78